



Your Personal Exams Guide



NDA



CDS



SSC CGL



CBSE UGC NET



IAS



SSC CHSL



CTET



MPSC



AFCAT



CSIR UDC NET



IBPS PO



UP POLICE



SSC MTS



SBI PO



BPSC



UP TET



IBPS RRB



IBPS CLERK



IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB

SBI Clerk 2019 (Mains) Memory-Based Test (10-Aug-2019)

Total Time: 2 Hour : 40 Minute

Total Marks: 200

Instructions

Sl No.	Section Name	No. of Question	Maximum Marks	Negative Marks	Positive Marks	Sectional Timing
1	General/Financial Awareness	50	50	0.25	1	35 Min
2	General English	40	40	0.25	1	35 Min
3	Quantitative Aptitude	50	50	0.25	1	45 Min
4	Reasoning Ability & Computer Aptitude	50	50	0.25	1	45 Min

- 1.) A total of 160 minutes is allotted for the examination.
- 2.) The server will set your clock for you. In the top right corner of your screen, a countdown timer will display the remaining time for you to complete the exam. Once the timer reaches zero, the examination will end automatically. The paper need not be submitted when your timer reaches zero.
- 3.) There will, however, be sectional timing for this exam. You will have to complete each section within the specified time limit. Before moving on to the next section, you must complete the current one within the time limits.

General/Financial Awareness

1. Who among the following was awarded the Man of the Tournament for the ICC Men's Cricket World Cup 2019? **(+1, -0.25)**
- a. Ben Stokes
 - b. Kane Williamson
 - c. Virat Kohli
 - d. Jasprit Bumrah
 - e. Hardik Pandya
-
2. Who will be heading the task force set up by the RBI to suggest policy and regulatory interventions required for the development of the secondary market in corporate loans? **(+1, -0.25)**
- a. Sunil Mehta
 - b. Sandeep Bakshi
 - c. PV Bharati
 - d. Harsh Vardhan
 - e. T N Manoharan
-
3. RBI, in consultation with GoI, has set up a six-member committee to review the 'Economic Capital Framework' of the central bank. Who is the chairman of this committee? **(+1, -0.25)**
- a. Raghuram Rajan

- b. Bimal Jalan
- c. C. Rangarajan
- d. Y. Venugopal Reddy
- e. I. G. Patel

4. Who was elected as President of the Foundation Board for Better Boxing governing body of the sport, AIBA on 19 February 2019? (+1, -0.25)

- a. Ajay Singh
- b. Siddharth Pandey
- c. Ankur Singh
- d. Sartaj Singh
- e. Anay Patel

5. The Prime Minister unveiled the statue of former Prime Minister Sh. Lal Bahadur Shastri at the Lal Bahadur Shastri International Airport in (+1, -0.25)

-----.

- a. Raipur
- b. Lucknow
- c. Varanasi
- d. Ranchi
- e. Jodhpur

6. Who has been appointed as the Managing Director and the Chief Financial Officer of the World Bank in July 2019? (+1, -0.25)

- a. Kalpana Morparia
- b. Usha Ananthasubramanian
- c. Anshula Kant
- d. Naina Lal Kidwai
- e. Shikha Sharma

7. Who clinched a gold medal in the World Universiade in 100 m dash event at Napoli in Italy in July 2019? (+1, -0.25)

- a. Hima Das
- b. Swapna Barman
- c. Manika Batra
- d. Dutee Chand
- e. M. R. Poovamma

8. Who has taken charge as the Union Minister of Tribal Affairs? (+1, -0.25)

- a. Harsimrat Kaur Badal
- b. Dharmendra Pradhan
- c. Arjun Munda
- d. Arvind Sawant

e. None of these

9. To enforce law and order Government of India has many agencies. SFIO is one of them. Expand it. (+1, -0.25)

a. Serious Fraud Interrogation Office

b. Serious Fraud Investigation Office

c. Serious Fraud Investigation Organization

d. Serious Fraud Interrogation Ordinance

e. None of these

10. Who has been formally appointed as the Indian National Cricket Academy's Head of Cricket by BCCI in July 2019? (+1, -0.25)

a. Sourav Ganguly

b. Rahul Dravid

c. V. V. S. Laxman

d. Sachin Tendulkar

e. Virender Sehwag

11. The University Grants Commission (UGC) has approved a new initiative STRIDE. What does 'R' stand for in STRIDE? (+1, -0.25)

a. Research

b. Revolution

- c. Rationalization
 - d. Rotation
 - e. Routine
-

12. What was India's rank in 2018 Human Development Index? (+1, -0.25)

- a. 113
 - b. 109
 - c. 147
 - d. 130
 - e. 135
-

13. Which country successfully launched Soyuz-2.1, a carrier rocket with a hydrometeorological satellite and 32 small satellites? (+1, -0.25)

- a. USA
 - b. Russia
 - c. China
 - d. France
 - e. Japan
-

14. National Company Law Tribunal (NCLT) approved the merger of _____ with Bharat Financial Inclusion (BFIL). (+1, -0.25)

- a. HDFC Bank
 - b. Axis Bank
 - c. Yes Bank
 - d. IndusInd Bank
 - e. Indian Bank
-

15. Recently, G Vijaya Nirmala passed away. She was a/an _____. (+1, -0.25)

- a. Politician
 - b. Film director
 - c. Judge
 - d. Spiritual Leader
 - e. Badminton Player
-

16. What is the capital of Vietnam? (+1, -0.25)

- a. Ho Chi Minh
 - b. Phnom Penh
 - c. Naypyidaw
 - d. Hanoi
 - e. Vinh Long
-

17. When is the International Day of Charity observed? (+1, -0.25)

- a. 3 September
- b. 4 September
- c. 5 September
- d. 6 September
- e. 7 September

18. High Level Advisory Group headed by _____ has been constituted by the Department of Commerce to look into ways for boosting India's share and importance in global merchandise and services trade. (+1, -0.25)

- a. Gautam Shah
- b. Ashwani Gujral
- c. Dr. Surjit S. Bhalla
- d. Sudarshan Sukhani
- e. Anant Acharya

19. Gajapathi Raju inaugurated the country's first Aviation Multi Skill Development Centre at _____. (+1, -0.25)

- a. Patiala
- b. Chandigarh
- c. New Delhi

- d. Jaipur
 - e. Gandhi Nagar
-

20. According to the Union Budget 2019-20, what will be the direct tax for companies with annual turnover up to Rs. 400 crore? (+1, -0.25)

- a. 20%
 - b. 25%
 - c. 30%
 - d. 15%
 - e. 10%
-

21. Which among the following is the TDS on cash withdrawal exceeding Rs. 1 crore in a year from a bank account as per Union Budget 2019-20? (+1, -0.25)

- a. 2%
 - b. 3%
 - c. 2.5%
 - d. 3.5%
 - e. 4%
-

22. What is the full form of the abbreviation FPI which is considered as the entry of funds into a country from foreign depositors? (+1, -0.25)

- a. Foreign Provident Investment

- b. Foreign Portfolio Influence
 - c. Foreign Portfolio Investment
 - d. Foreign Portfolio Interest
 - e. Foreign Postal Investment
-

23. Which state is all set to organise the 21st Commonwealth Table Tennis Championship in July 2019? (+1, -0.25)

- a. Odisha
 - b. Rajasthan
 - c. Madhya Pradesh
 - d. Jharkhand
 - e. Chhattisgarh
-

24. Which state became the first to tap into masala bond market by listing its Infrastructure Investment Fund Board's masala bond in LSE's International Securities Market? (+1, -0.25)

- a. Karnataka
 - b. Kerala
 - c. Tamil Nadu
 - d. Maharashtra
 - e. Andhra Pradesh
-

25. World photography day is observed annually on _____ (+1, -0.25)

- a. 9th June
- b. 29th June
- c. 19th May
- d. 19th August
- e. 8th December

26. What is the capital of Maldives? (+1, -0.25)

- a. Episkopi
- b. Kotte
- c. Bandar
- d. Hulhulé
- e. Male

27. Who has been assigned portfolio of the Ministry of Chemicals and Fertilizers ? (+1, -0.25)

- a. B. S. Yeddyurappa
- b. DV Sadananda Gowda
- c. Rao Inderjit Singh
- d. Radha Mohan Singh

e. Narendra Singh Tomar

28. Which state government has decided to inter-link Damanganga–Pinjal river inter-linking project? (+1, -0.25)

a. Karnataka

b. Madhya Pradesh

c. Maharashtra

d. Goa

e. Jharkhand

29. Where was the 19th summit of the Shanghai Cooperation Organisation (SCO) held? (+1, -0.25)

a. China

b. Kyrgyzstan

c. Russia

d. Kazakhstan

e. Tajikistan

30. In which state will India's first elephant rehabilitation centre be situated? (+1, -0.25)

a. Kerala

b. Tamil Nadu

- c. Meghalaya
- d. Manipur
- e. Maharashtra

31. Which bank reported a net profit of ₹252 crore for the quarter ended March 31, compared with a loss of ₹3,969 crore in 2018? (+1, -0.25)

- a. Bank of India
- b. Axis Bank
- c. Allahabad Bank
- d. HDFC Bank
- e. Bank of Baroda

32. The RBI has set up a working group to review the regulatory and supervisory framework for core investment companies (CICs). Who will head this working group? (+1, -0.25)

- a. S. S. Mallikarjuna Rao
- b. Tapan Ray
- c. P. S. Jayakumar
- d. A. S. Rajeev
- e. P.V. Bharathi

33. In which state is the Kaziranga National Park located? (+1, -0.25)

- a. Madhya Pradesh
- b. Gujarat
- c. Assam
- d. Sikkim
- e. Rajasthan

34. The total deposits in bank accounts opened under the Jan Dhan scheme are _____. The Modi government launched the Pradhan Mantri Jan Dhan Yojana in 2014. (+1, -0.25)

- a. Rs 2 lakh crore
- b. Rs 1 lakh crore
- c. Rs 80 crore
- d. Rs 90 crore
- e. Rs 70 crore

35. India has signed a deal to acquire 'Strum Ataka' anti-tank missile from _____ for its fleet of Mi-35 attack choppers. (+1, -0.25)

- a. Japan
- b. Russia
- c. US
- d. France

e. Germany

36. What is the Minimum Net Owned Fund for an Non-Banking Financial Company (NBFC) as mandated by RBI? (+1, -0.25)

- a. 1 crore
 - b. 2 crores
 - c. 15 lakh
 - d. 3 crore
 - e. 9 crore
-

37. Foreign Minister of _____ Sheikh Abdullah bin Zayed Al Nahyan was on three-day visit in India. (+1, -0.25)

- a. Iraq
 - b. United Arab Emirates
 - c. Iran
 - d. Turkey
 - e. Syria
-

38. The National Museum of Indian Cinema launched a fortnightly bulletin named "NMIC Bulletin". The museum is located in _____. (+1, -0.25)

- a. Shimla
- b. Mumbai

- c. New Delhi
 - d. Shillong
 - e. Kolkata
-

39. The kind of risk that arises out of internal failures of a bank is known as ----- (+1, -0.25)

- a. Market Risk
 - b. Credit Risk
 - c. Operational Risk
 - d. Reputation Risk
 - e. None of the above
-

40. Which of the following countries did the Indian Air Force (IAF) conduct Garuda 2019 exercise with? (+1, -0.25)

- a. UK
 - b. Russia
 - c. US
 - d. France
 - e. Thailand
-

41. According to the National Annual Rural Sanitation Survey (NARSS), how much percent of Indian rural households have access to toilets to use it? (+1, -0.25)

- a. 92.5%
 - b. 95.5%
 - c. 96.5%
 - d. 90.5%
 - e. None of these
-

42. Institute for Development and Research in Banking Technology (IDRBT), an arm of RBI, is set to test _____ technology to support framework for digital transactions. **(+1, -0.25)**

- a. Stopchain
 - b. Killchain
 - c. Blockchain
 - d. Deadchain
 - e. Haltchain
-

43. The Reserve Bank of India (RBI) may set-up an ombudsman for digital payments by _____ to reduce the burden on banking ombudsman. **(+1, -0.25)**

- a. December 2018
- b. January 2019
- c. March 2019
- d. April 2019

e. June 2019

44. Read the following statements carefully:

(+1, -0.25)

1. The National Institute of Rural Development and Panchayati Raj (NIRDPR) launched a training programme.

2. It is of Sustainable Livelihoods and Adaptation to Climate Change (SLACC) to help Rural Poor Farm Holders adapt to Climate Change and sustain their livelihoods.

3. The first batch Community Resource Persons and National Resource Persons from Madhya Pradesh and Maharashtra states have begun receiving training classes in Hyderabad.

Which of the above statements is/are correct?

- a. Only 1
- b. Only 1 and 2
- c. Only 1 and 3
- d. Only 2 and 3
- e. All are correct

45. NASA's 'Polarimeter to Unify the Corona and Heliosphere' (PUNCH) mission is focused on understanding the transition of particles from outer corona of the _____ to the solar wind that fills the interplanetary space. (+1, -0.25)

- a. Mars
- b. Sun
- c. Moon

- d. Jupiter
 - e. None of these
-

46. What is the fixed income with no maturity period called? (+1, -0.25)

- a. Perpetual bond
 - b. Convertible bond
 - c. Exchangeable bond
 - d. Covered bond
 - e. None of these
-

47. What is the type of account in which the broker lends cash to an investor for purchasing stocks or other financial products? (+1, -0.25)

- a. Merchant account
 - b. Margin account
 - c. Settlement account
 - d. Savings account
 - e. None of these
-

48. Which organisation is developing a model blockchain platform in India? (+1, -0.25)

- a. World Bank
- b. ADB

- c. IDRBT
- d. IMF
- e. IFC

49. Where is the headquarters of National Institute of Agricultural Economics and Policy Research? (+1, -0.25)

- a. Mumbai
- b. Chennai
- c. New Delhi
- d. Chandigarh
- e. Surat

50. What is the full form of PCR? (+1, -0.25)

- a. Provision Coverage Ratio
- b. Premium Coverage Rate
- c. Protection Cost and Redemption
- d. Personal Coverage Ratio
- e. None of these

General English

51. Read the passage carefully and select the best answer to each question out of the given five alternatives. (+1, -0.25)

Art belongs to us all. Not literally; more often than not, it belongs to some billionaire, but philosophically and spiritually. The Isleworth Mona Lisa, a painting of the same woman, Lisa Gherardini, as its namesake, is purportedly by Leonardo da Vinci. It is majority-owned by an anonymous **consortium**, and spends most of its time in their Swiss bank vault.

Recently, it was allowed out briefly for a public exhibition in Florence, and a custody battle has ensued – with a lawyer, Giovanni Battista Protti, arguing on behalf of its other part-owners that it should not be returned to the vault. “Whoever owns it has a responsibility towards humanity. It’s important it should travel the world, for the benefit of everyone,” he said.

We don’t even know who the owners are. That’s the art world: money talks, wealth whispers, and there are often fraught and complex histories of ownership to these art objects that in this case required the Panama Papers to untangle. Imagine if it turns out to be a Leonardo, as the owners claim (though I and many others have doubts). How greedy to hoard a piece of our shared history in a cold, dark safe, the opposite of the generosity artists show us in publicly revealing their souls.

Britain has an art export licensing system that some consider balanced in how it handles the competing interests of art institutions and art owners. They don’t have a French-style system where museums can pre-empt the sale of an object of national importance by matching the price, but an export bar can be placed on such an object. A temporary bar has just been placed on Turner’s watercolor *The Dark Rigi, the Lake of Lucerne*, valued at £10m. This, in theory, allows time for funds to be raised so the painting can be kept for the nation.

According to the passage, who is considered to have painted the Isleworth Mona Lisa?

- a. Lisa Gherardini
- b. Pablo Picasso
- c. Giovanni Battista Protti
- d. David Cameron
- e. Leonardo da Vinci

52. Read the passage carefully and select the best answer to each question out of the given five alternatives. (+1, -0.25)

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been placed on Turner's watercolor *The Dark Rigi*, the Lake of Lucerne, valued at £10m. This, in theory, allows time for funds to be raised so the painting can be kept for the nation.

Which of these statements is true?

- a. The lawyer Giovanni Battista Protti is arguing on his own behalf
- b. The Isleworth Mona Lisa was allowed out briefly for a public exhibition in Florence
- c. Giovanni Battista Protti is arguing that the Isleworth Mona Lisa should be returned to the vault
- d. The Isleworth Mona Lisa is a portrait of Leonardo da Vinci painted by Lisa Gherardini
- e. Britain has a French-style art export licensing system

53. Read the passage carefully and select the best answer to each question out of the given five alternatives. (+1, -0.25)

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What does the word 'consortium' mean?

- a. The chemical element of atomic number 92
- b. An association of several companies
- c. An athletic or sports ground with tiers of seats for spectators
- d. An institution providing medical and surgical treatment
- e. Economic activity concerned with the processing of raw materials

54. Read the passage carefully and select the best answer to each question out of the given five alternatives. (+1, -0.25)

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According to the passage, why is Britain's art export licensing system considered balanced?

- a. Because it is It is majority owned by an anonymous consortium
- b. Because it follows the French-style system
- c. Because the system is good at handling the competing interests of art institutions and art owners
- d. Because there are often fraught and complex histories of ownership to art objects
- e. Because money talks and wealth whispers

55. In the following question, two columns are given: one containing parts of a sentence/sentences, the other containing words. A phrase from the first column may or may not connect in context and meaning with a word from the second column. There are five options, four of which display the sequence(s) in which the phrases from 1 and words from 2 can be joined logically. If none of the combinations match, mark 'None of these' as your answer. (+1, -0.25)

Column (1)	Column (2)
(A) You should be careful with those pesticides. Their fumes can be quite	(D) callous
(B) I wish Kabir wouldn't talk to the children in that way. Sometimes, he can be really	(E) noxious
(C) We wish we could help your organization, but at the end of the day, our resources are	(F) finite

- a. A-D
- b. A-F and B-E
- c. B-D
- d. A-D and C-F
- e. None of these

56. In the following question, two columns are given: one containing phrases, the other containing words. A phrase from the first column may or may not connect in context and meaning with a word from the second column. There are five options, four of which display the sequence(s) in which the phrases from 1 and words from 2 can be joined logically. If none of the combinations match, mark 'None of these' as your answer. (+1, -0.25)

Column (1)	Column (2)
(A) Aman drew a funny, colorful picture of his sister. He drew her a	(D) caricature
(B) Yesterday, Jane broke her leg. All night, the poor girl was crying in	(E) nocturnal
(C) Mountain lions hunt at night. This is because they are primarily	(F) agony

- a. A-E
- b. B-D
- c. B-E
- d. C-D and A-F
- e. C-E

57. In the following question, two columns are given: one containing phrases, the other containing words. A phrase from the first column may or may not connect in context and meaning with a word from the second column. There are five options, four of which display the sequence(s) in which the phrases from 1 and words from 2 can be joined logically. If none of the combinations match, mark 'None of these' as your answer. (+1, -0.25)

not connect in context and meaning with a word from the second column. There are five options, four of which display the sequence(s) in which the phrases from 1 and words from 2 can be joined logically. If none of the combinations match, mark 'None of these' as your answer.

Column 1	Column 2
(A)The investment banker was convicted for embezzlement and fraud. He paid a heavy price for his	(D)affluent
(B)I was sure I had locked the door last night, but this morning I found the door	(E)ajar
(C)The Jaguar model you are looking at is expensive. It can only be afforded by people who are	(F)avarice

- a. A-C
- b. B-D
- c. A-F and B-E
- d. C-F
- e. C-D and B-F

58. In the following question, two columns are given: one containing phrases, the other containing words. A phrase from the first column may or may not connect in context and meaning with a word from the second column. There are five options, four of which display the sequence(s) in which the phrases from 1 and words from 2 can be joined logically. If none of the combinations match, mark 'None of these' as your answer. (+1, -0.25)

Column (1)	Column (2)
(A) Maya and Mira understood that they weren't supposed to tell anyone about their business plans. Their agreement was	(D) tacit
(B) The first thing people see about John is his green hair. Out of all his features, his hair is the most	(E) pensive
(C) Simran hasn't said anything today. Her mood seems to be quite	(F) salient

- a. A-D
- b. A-E and B- F
- c. B-D
- d. C-D and A-E
- e. C-F

59. In the following question, two columns are given: one containing phrases, the other containing words. A phrase from the first column may or may not connect in context and meaning with a word from the second column. There are five options, four of which display the sequence(s) in which the phrases from 1 and words from 2 can be joined logically. If none of the combinations match, mark 'None of these' as your answer. (+1, -0.25)

Column (1)	Column (2)
(A) Sumit spent most of his time lying around on the couch, not getting much exercise. His lifestyle was	(D) inane
(B) Riya never has anything important to offer in a meeting. Her comments and questions are always so	(E) placid
(C) Don't be afraid of my dog. He might look scary, but his temperament is incredibly	(F) sedentary

- a. A-E
- b. A-F and C-E
- c. B-F
- d. B-D and A-E
- e. C-D

60. Out of the given sentences, some may have errors while others may not. (+1, -0.25)

Find out which part of each sentence has an error and select the appropriate option. If the sentence is free from error, select option 5 - 'N o error'.

- My sister rides a bright yellow scooter which has red and blue stripes painting on the side.
- While the tea had turned cold, my father heated it up in the microwave before serving it to the guests.

3. The team ensure that every content project fits perfectly into the company's overall marketing strategy.
4. To be honest, I really didn't like the movie due to the acting was good and the music was soulful.
5. Since winter is coming, my grandmother will be sure to knit a warm sweater for me because I'm always cold.
6. Yesterday, the Indian government issued a statement urges the public to cooperate in this enquiry.
7. One of her most brilliant novels was written when she were working as a waitress at Starbucks.

One part of sentence 1 may have errors. Find out which part of the sentence has an error and select the appropriate option. If the sentence is free from error, select option 5 - 'No error'.

1. My sister rides a bright yellow scooter which has red and blue stripes painting on the side.

- a. My sister rides
- b. a bright yellow scooter
- c. which has red and blue stripes
- d. painting on the side
- e. No error

61. Out of the given sentences, some may have errors while others may not. (+1, -0.25)

Find out which part of each sentence has an error and select the appropriate option. If the sentence is free from error, select option 5 - 'No error'.

1. My sister rides a bright yellow scooter which has red and blue stripes painting on the side.
2. While the tea had turned cold, my father heated it up in the microwave before serving it to the guests.
3. The team ensure that every content project fits perfectly into the company's overall marketing strategy.
4. To be honest, I really didn't like the movie due to the acting was good and the music was soulful.
5. Since winter is coming, my grandmother will be sure to knit a warm sweater for me because I'm always cold.
6. Yesterday, the Indian government issued a statement urges the public to cooperate in this enquiry.
7. One of her most brilliant novels was written when she were working as a waitress at Starbucks.

One part of sentence 2 may have errors. Find out which part of the sentence has an error and select the appropriate option. If the sentence is free from error, select option 5 - 'N o error'.

2. While the tea had turned cold, my father heated it up in the microwave before serving it to the guests.

- a. While the tea had turned cold
- b. my father heated it up
- c. in the microwave
- d. before serving it to the guests
- e. No error

62. Out of the given sentences, some may have errors while others may not. (+1, -0.25)

Find out which part of each sentence has an error and select the appropriate option. If the sentence is free from error, select option 5 - 'No error'.

1. My sister rides a bright yellow scooter which has red and blue stripes painting on the side.
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6. Yesterday, the Indian government issued a statement urges the public to cooperate in this enquiry.
7. One of her most brilliant novels was written when she were working as a waitress at Starbucks.

One part of sentence 3 may have errors. Find out which part of the sentence has an error and select the appropriate option. If the sentence is free from error, select option 5 - 'No error'.

3. The department ensure that every content project fits perfectly into the company's overall marketing strategy.

- a. The department ensure
- b. that every content project
- c. fits perfectly into the company's

d. overall marketing strategy

e. No error

63. Out of the given sentences, some may have errors while others may not. (+1, -0.25)

Find out which part of each sentence has an error and select the appropriate option. If the sentence is free from error, select option 5 – 'No error'.

1. My sister rides a bright yellow scooter which has red and blue stripes painting on the side.

2. While the tea had turned cold, my father heated it up in the microwave before serving it to the guests.

3. The team ensure that every content project fits perfectly into the company's overall marketing strategy.

4. To be honest, I really didn't like the movie due to the acting was good and the music was soulful.

5. Since winter is coming, my grandmother will be sure to knit a warm sweater for me because I'm always cold.

6. Yesterday, the Indian government issued a statement urges the public to cooperate in this enquiry.

7. One of her most brilliant novels was written when she were working as a waitress at Starbucks.

One part of sentence 4 may have errors. Find out which part of the sentence has an error and select the appropriate option. If the sentence is free from error, select option 5 – 'No error'.

4. To be honest, I really didn't like the movie due to the acting was good and the music was soulful.

a. To be honest, I really

- b. didn't like the movie
- c. due to the acting was good
- d. and the music was soulful
- e. No error

64. Out of the given sentences, some may have errors while others may not. (+1, -0.25)

Find out which part of each sentence has an error and select the appropriate option. If the sentence is free from error, select option 5 - 'No error'.

1. My sister rides a bright yellow scooter which has red and blue stripes painting on the side.
2. While the tea had turned cold, my father heated it up in the microwave before serving it to the guests.
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5. Since winter is coming, my grandmother will be sure to knit a warm sweater for me because I'm always cold.
6. Yesterday, the Indian government issued a statement urges the public to cooperate in this enquiry.
7. One of her most brilliant novels was written when she were working as a waitress at Starbucks.

One part of sentence 5 may have errors. Find out which part of the sentence has an error and select the appropriate option. If the sentence is free from error, select option 5 - 'No error'.

5. Since winter is coming, my grandmother will surely knit a warm sweater for me because I'm always cold.

- a. Since winter is coming
- b. my grandmother will surely
- c. knit a warm sweater for me
- d. because I'm always cold
- e. No error

65. Out of the given sentences, some may have errors while others may not. (+1, -0.25)

Find out which part of each sentence has an error and select the appropriate option. If the sentence is free from error, select option 5 - 'No error'.

1. My sister rides a bright yellow scooter which has red and blue stripes painting on the side.
2. While the tea had turned cold, my father heated it up in the microwave before serving it to the guests.
3. The team ensure that every content project fits perfectly into the company's overall marketing strategy.
4. To be honest, I really didn't like the movie due to the acting was good and the music was soulful.
5. Since winter is coming, my grandmother will be sure to knit a warm sweater for me because I'm always cold.
6. Yesterday, the Indian government issued a statement urges the public to cooperate in this enquiry.
7. One of her most brilliant novels was written when she were working as a waitress at Starbucks.

One part of sentence 6 may have errors. Find out which part of the sentence has an error and select the appropriate option. If the sentence is free from error, select option 5 – 'No error'.

6. Yesterday, the Indian government issued a statement urges the public to cooperate in this enquiry.

- a. Yesterday, the Indian government
- b. issued a statement
- c. urges the public
- d. cooperate in this enquiry
- e. No error

66. Out of the given sentences, some may have errors while others may not. (+1, -0.25)

Find out which part of each sentence has an error and select the appropriate option. If the sentence is free from error, select option 5 – 'No error'.

1. My sister rides a bright yellow scooter which has red and blue stripes painting on the side.
2. While the tea had turned cold, my father heated it up in the microwave before serving it to the guests.
3. The team ensure that every content project fits perfectly into the company's overall marketing strategy.
4. To be honest, I really didn't like the movie due to the acting was good and the music was soulful.
5. Since winter is coming, my grandmother will be sure to knit a warm sweater for me because I'm always cold.

6. Yesterday, the Indian government issued a statement urges the public to cooperate in this enquiry.

7. One of her most brilliant novels was written when she were working as a waitress at Starbucks.

One part of sentence 7 may have errors. Find out which part of the sentence has an error and select the appropriate option. If the sentence is free from error, select option 5 - 'No error'.

7. One of her most brilliant novels was written when she were working as a waitress at a local restaurant.

a. One of her most brilliant novels

b. was written when she

c. were working as a waitress

d. at a local restaurant

e. No error

67. Pick out of the most effective words from the given words to fill in the blanks to make both the sentences meaningfully complete. (+1, -0.25)

1) I have never been able to _____ the reason for your _____ hostility towards my brother.

2) Ravi's friends fail to _____ how a teetotaler like him turned into a/an _____ alcoholic.

a. Control, fugitive

b. Comprehend, inveterate

c. Familiarise, perilous

d. Subsume, notorious

e. Follow, resurgent

68. Pick out of the most effective words from the given words to fill in the blanks to make both the sentences meaningfully complete. (+1, -0.25)

1) While a/an _____ amount of stress can be _____, too much stress can exhaust you.

2) Even _____ exercise, if done regularly, can be incredibly _____ for the human body.

a. Inferior, permanent

b. Abated, prevalent

c. Crucial, considerable

d. Secular, allowance

e. Moderate, beneficial

69. Pick out of the most effective words from the given words to fill in the blanks to make both the sentences meaningfully complete. (+1, -0.25)

1) I don't want to _____ our chances, but I'm _____ optimistic.

2) Several companies tend to _____ their market value, so make sure you invest _____.

a. Assuage, thoroughly

b. Captivate, scarcely

c. Exaggerate, cautiously

d. Pristine, fatuous

e. Subvert, delightedly

70. Pick out of the most effective words from the given words to fill in the blanks to make both the sentences meaningfully complete. (+1, -0.25)

1) There are incredibly _____ pictures in the exhibition which are countered by others which have a somewhat _____ mood to them.

2) Tanya's usually _____ countenance has turned so _____ in the past few months that I am truly concerned for her.

a. Euphoric, jubilant

b. Brilliant, auspicious

c. Deranged, vivacious

d. Exuberant, gloomy

e. Melancholic, subdued

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71. Pick out of the most effective words from the given words to fill in the blanks to make both the sentences meaningfully complete. (+1, -0.25)

1) In his lengthy _____, the supervisor _____ his employees.

2) I will not tolerate another _____ in which I am _____ in public in such a way.

a. Argument, abandoned

b. Tirade, berated

- c. Compliment, curated
- d. Fulsome, reproached
- e. Discussion, chanted

72. Read the passage carefully and select the best answer to each question out of the given five alternatives. (+1, -0.25)

Savers in Denmark must be squealing with pain at the advent of the world's first negative rate mortgage, courtesy of Jyske Bank. Danish savers currently get about 0.1% for their pots of money at the bank and soon they might find deposit-takers start charging them to protect their piles of cash.

Borrowers, on the other hand, would appear to **have the whip hand**. When a mortgage rate is negative, a borrower must still make monthly payments, but they pay back less than they owe.

If the young borrow and the old save, this development must surely show that intergenerational transfers work in the direction of millennials and not, as more popularly argued, to the benefit of pensioners.

In this vein, it's not unknown for pensioners to cite low savings rates as an outrage perpetrated by central banks that have a mission to favour the young over the old. Yet older homeowners miss a vital point, and one that is illustrated by the situation in Denmark, where house prices have risen consistently for decades and, as in most western European countries, stand at record highs.

They kept rising, especially in the capital, Copenhagen, through the financial crash and beyond – and by more than 4% last year – because low interest rates made rising property values more affordable.

According to the passage, what happens when a mortgage rate is negative?

- a. Borrowers make weekly payments and pay less than they owe
- b. Borrowers make monthly payments, but pay back more than they owe
- c. Borrowers make daily payments and pay more than they owe
- d. Borrowers make monthly payments, but pay back less than they owe
- e. Borrowers make monthly payments, but pay back as much as they owe

73. Read the passage carefully and select the best answer to each question out of the given five alternatives. (+1, -0.25)

Savers in Denmark must be squealing with pain at the advent of the world's first negative rate mortgage, courtesy of Jyske Bank. Danish savers currently get about 0.1% for their pots of money at the bank and soon they might find deposit-takers start charging them to protect their piles of cash.

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They kept rising, especially in the capital, Copenhagen, through the financial crash and beyond – and by more than 4% last year – because low interest rates made rising property values more affordable.

What is meant by the idiom 'to have the whip hand'?

- a. To react furiously or violently to a situation
- b. To be the person or group that has the most power in a situation
- c. To do something in a dignified manner
- d. To be the person or group that has the least power in a situation
- e. To show how something is done or how it happens

-
74. Read the passage carefully and select the best answer to each question out of the given five alternatives. (+1, -0.25)

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consistently for decades and, as in most western European countries, stand at record highs.

They kept rising, especially in the capital, Copenhagen, through the financial crash and beyond – and by more than 4% last year – because low interest rates made rising property values more affordable.

According to the passage, which of these statements is true for the country of Denmark?

- a. Denmark is in Asia
- b. Copenhagen is the capital of Denmark
- c. There is no option for a negative rate mortgage in Denmark
- d. The financial crash lowered house prizes in Denmark
- e. House prizes have been falling in Denmark

-
75. Read the passage carefully and select the best answer to each question out of the given five alternatives. (+1, -0.25)

The mayor of London has written to the owner of the King's Cross development demanding to know whether the company believes its use of facial recognition software in its CCTV systems is legal. Sadiq Khan said he wanted to express his concern a day after the property company behind the 27-hectare (67-acre) central London site admitted it was using the technology "in the interests of public safety".

In his letter, the Labour mayor writes to Robert Evans, the chief executive of the King's Cross development, to "request more information about exactly how this technology is being used". Khan also asks for "reassurance that you have been liaising with government ministers and the Information Commissioner's Office to ensure its use is fully compliant with the law as it stands".

The owner of King's Cross is one of the first property companies to acknowledge it is deploying facial recognition software, even though it has been criticised by human rights group Liberty as "a disturbing expansion of mass surveillance".

But the company has provided little detail of how the software is used beyond saying it employed "a number of detection and tracking methods, including facial recognition" in its CCTV systems.

According to the passage, which of the following has criticised the King's Cross been for its use of facial recognition software?

- a. Robert Evans
- b. The human rights group, Liberty
- c. The Queen of the United Kingdom
- d. The Information Commissioner's Office
- e. The chief executive of the King's Cross development

76. Read the passage carefully and select the best answer to each question out of the given five alternatives. (+1, -0.25)

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But the company has provided little detail of how the software is used beyond saying it employed "a number of detection and tracking methods, including facial recognition" in its CCTV systems.

What is the meaning of the word 'liaising'?

- a. Ordering or arranging systematically
- b. Examining something methodically and in detail
- c. Associating or forming a friendship with someone when one is not supposed to
- d. Developing industries in a country or region on a wide scale
- e. Cooperating on a matter of mutual concern

77. Read the passage carefully and select the best answer to each question out of the given five alternatives. (+1, -0.25)

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But the company has provided little detail of how the software is used beyond saying it employed "a number of detection and tracking methods, including facial recognition" in its CCTV systems.

Which of the following statements is not true in the context of the passage?

- a. Sadiq Khan is the Mayor of London
- b. The mayor of London believes the use of facial recognition software in CCTV systems is legal
- c. King's Cross admitted it was using facial recognition software "in the interests of public safety"
- d. The mayor of London requested information from King's Cross
- e. Robert Evans is the chief executive of the King's Cross development

78. Read the passage carefully and select the best answer to each question out of the given five alternatives. **(+1, -0.25)**

Drop a plastic bottle into the Ganges and where does it end up? An all-female team of engineers, explorers and scientists is about to find out by

undertaking the first expedition to measure plastic waste in one of the world's most polluted waterways.

Following the Ganges upstream from where it empties in the Bay of Bengal to its source in the Himalayas, the National Geographic-backed expedition aims to better understand how plastic pollution travels from source to sea and provide solutions for reducing the amount that ends up in the world's oceans.

The 2,525 km-long Ganges is a river of extreme paradox: though worshipped by 1 billion people and relied on as a water source for roughly 400 million people, it is contaminated with industrial **runoff**, untreated sewage and household waste. It is also one of 10 rivers responsible for 90% of the plastic that ends up at sea. The river is, therefore, a perfect starting point for measuring how plastic travels from land into rivers, and from rivers into the ocean, says National Geographic fellow and University of Georgia associate professor Jenna Jambeck, who is co-leading the expedition.

"We know there's plastic in these river environments and that the plastic is heading into the ocean," says environmental engineer Jambeck, whose previous research found that 8m metric tons of plastic waste enters oceans every year.

What does the the National Geographic-backed expedition hope to achieve?

- a. It aims calculate the amount of plastic that ends up at sea
- b. It aims to measure untreated sewage in the Ganges
- c. It aims to better understand how plastic pollution travels from source to sea
- d. It aims to save the marine life in the river Ganges from industrial pollution

- e. It aims to find the source and mouth of the Ganges

79. Read the passage carefully and select the best answer to each question out of the given five alternatives. (+1, -0.25)

Drop a plastic bottle into the Ganges and where does it end up? An all-female team of engineers, explorers and scientists is about to find out by undertaking the first expedition to measure plastic waste in one of the world's most polluted waterways.

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"We know there's plastic in these river environments and that the plastic is heading into the ocean," says environmental engineer Jambeck, whose previous research found that 8m metric tons of plastic waste enters oceans every year.

According to the passage, why does the author refer to Ganges as a 'river of extreme paradox'?

- a. Because it empties in the Bay of Bengal

- b. Because it is responsible for 90% of the plastic that ends up at sea
- c. Because while it is worshipped and relied on, it is also contaminated with runoff and sewage water
- d. Because it is the only river worshipped in India
- e. Because it is a perfect starting point for measuring how plastic travels from land into rivers

80. Read the passage carefully and select the best answer to each question out of the given five alternatives. (+1, -0.25)

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"We know there's plastic in these river environments and that the plastic is heading into the ocean," says environmental engineer Jambeck, whose

previous research found that 8m metric tons of plastic waste enters oceans every year.

What is the meaning of 'runoff' as mentioned in the passage?

- a. Break free from confinement or control
- b. The draining away of water (or substances carried in it) from the surface of an area of land or a building
- c. A direct confrontation between two people or groups
- d. An instance of becoming airborne
- e. A formal gathering of troops

-
81. Read the passage carefully and select the best answer to each question out of the given five alternatives. (+1, -0.25)

Drop a plastic bottle into the Ganges and where does it end up? An all-female team of engineers, explorers and scientists is about to find out by undertaking the first expedition to measure plastic waste in one of the world's most polluted waterways.

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"We know there's plastic in these river environments and that the plastic is heading into the ocean," says environmental engineer Jambeck, whose previous research found that 8m metric tons of plastic waste enters oceans every year.

According to the passage, which of the following statements about the Ganges is true?

- a. It is a water source for roughly 200 million people
- b. Its source is in the Bay of Bengal
- c. It is one of the 10 rivers responsible for 90% of the plastic that ends up at sea
- d. It is 1500 km long
- e. It empties in the Himalayas

82. In the following question, an idiom is given. It is then followed by three sentences which may or may not accurately represent the meaning of the idiom. Choose the best set of alternatives from the five options given below of the sentences which embody the meaning of the given idiom perfectly. (+1, -0.25)

So far so good

- A. Karan has been enjoying his first few weeks at his new job.
- B. Himani was enjoying her soup until she found a fly in it.
- C. Sumit went back to his hometown after he heard of his father's accident.

- a. Only A
 - b. Only B
 - c. Only C
 - d. Only B and C
 - e. Only C and A
-

83. In the following question, an idiom is given. It is then followed by three sentences which may or may not accurately represent the meaning of the idiom. Choose the best set of alternatives from the five options given below of the sentences which embody the meaning of the given idiom perfectly. (+1, -0.25)

A perfect storm

- A. Farhan isn't telling anyone about his plans to move to Bangalore.
- B. Payal keeps talking about her new pet with everyone she meets.
- C. Vineet fractured his leg and got fired from his job in the same week.

- a. Only A
 - b. Only B
 - c. Only C
 - d. Only A and B
 - e. Only A and C
-

84. In the following question, an idiom is given. It is then followed by three sentences which may or may not accurately represent the meaning of (+1, -0.25)

the idiom. Choose the best set of alternatives from the five options given below of the sentences which embody the meaning of the given idiom perfectly.

Give someone the cold shoulder

A. Seema has been ignoring me since our argument last week.

B. It seems that everyone from the class was invited to Lara's birthday party except Rachna.

C. Pulkit has been asking his father for a new car but his father is adamant on not indulging him.

- a. Only A
- b. Only B
- c. Only C
- d. Only A and B
- e. Only A and C

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85. In the following question, an idiom is given. It is then followed by three sentences which may or may not accurately represent the meaning of the idiom. Choose the best set of alternatives from the five options given below of the sentences which embody the meaning of the given idiom perfectly. (+1, -0.25)

Have bigger fish to fry

A. Nitin said 'no' to the offer because he is already working with a lot of high-paying clients.

B. Poor Anand has had a back ache all week and now he has a stomach infection too.

C. Shireen has a lot on her plate, she can't micro-manage every task in the project!

- a. Only A
- b. Only B
- c. Only C
- d. Only A and B
- e. Only A and C

86. In the following question, an idiom is given. It is then followed by three sentences which may or may not accurately represent the meaning of the idiom. Choose the best set of alternatives from the five options given below of the sentences which embody the meaning of the given idiom perfectly. (+1, -0.25)

Shoot straight

- A. Gauri and her brother have very different tastes in music and often argue about it.
- B. You never have to wonder whether Taran is being sarcastic or not, he tells you like it is.
- C. Anna hasn't realised that her best friend won't be able to attend her wedding.

- a. Only A
- b. Only B
- c. Only C
- d. Only A and B

- e. Only C and A

87. The following five sentences form a paragraph but are not given in their proper order. Read the sentences and answer the given questions. (+1, -0.25)

A. Called La Marjal, it serves as a typical recreation area and a nature reserve.

B. However, its primary purpose is to store, and then recycle, rainwater.

C. But when it comes it was torrential, bringing destructive and sometimes fatal flooding.

D. Alicante, a city in southeast Spain, goes without rain for months on end.

E. In San Juan, a low-lying area of the city, authorities have now build a new park with a twist.

Find out which part of the sentence has an error and select the appropriate option. If the sentence is free from error, select option 5 - 'N o error'.

But when it comes it was torrential, bringing destructive and sometimes fatal flooding.

- a. But when it comes
- b. it was torrential
- c. bringing destructive and
- d. sometimes fatal flooding
- e. No error.

88. The following five sentences form a paragraph but are not given in their proper order. Read the sentences and answer the given questions. (+1, -0.25)

A. Called La Marjal, it serves as a typical recreation area and a nature reserve.

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Find out which part of the sentence has an error and select the appropriate option. If the sentence is free from error, select option 5 - 'No error'.

In San Juan, a low-lying area of the city, authorities have now build a new park with a twist.

- a. In San Juan
- b. a low-lying area of the city
- c. authorities have now build
- d. a new park with a twist
- e. No error

89. The following five sentences form a paragraph but are not given in their proper order. Read the sentences and answer the given questions. (+1, -0.25)

- A. Called La Marjal, it serves as a typical recreation area and a nature reserve.
- B. However, its primary purpose is to store, and then recycle, rainwater.
- C. But when it comes it was torrential, bringing destructive and sometimes fatal flooding.
- D. Alicante, a city in southeast Spain, goes without rain for months on end.
- E. In San Juan, a low-lying area of the city, authorities have now build a new park with a twist.

In what order should these sentences be arranged to form a meaningful paragraph?

- a. EABCD
- b. ACEBD
- c. ECBDA
- d. CBEDA
- e. DCEAB

90. The following five sentences form a paragraph but are not given in their proper order. Read the sentences and answer the given questions. **(+1, -0.25)**

- A. Called La Marjal, it serves as a typical recreation area and a nature reserve.
- B. However, its primary purpose is to store, and then recycle, rainwater.
- C. But when it comes it was torrential, bringing destructive and sometimes fatal flooding.

D. Alicante, a city in southeast Spain, goes without rain for months on end.

E. In San Juan, a low-lying area of the city, authorities have now build a new park with a twist.

There is a sentence provided below. Between which two sentences from the paragraph can this sentence be inserted without changing the entire meaning of the paragraph? If it cannot be meaningfully inserted between any two sentences in the paragraph, choose option 5.

Or at least, it used to.

- a. 1st and 2nd
- b. 2nd and 3rd
- c. 3rd and 4th
- d. 4th and 5th
- e. None of these

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Quantitative Aptitude

91. A company has a certain number of employees whose average age is 44 years. Exactly after 4 years, 5 employees at 78 years of age get retired. After another 2 years, the average age of the employees is 40 years. What was the strength of the employees initially? (+1, -0.25)

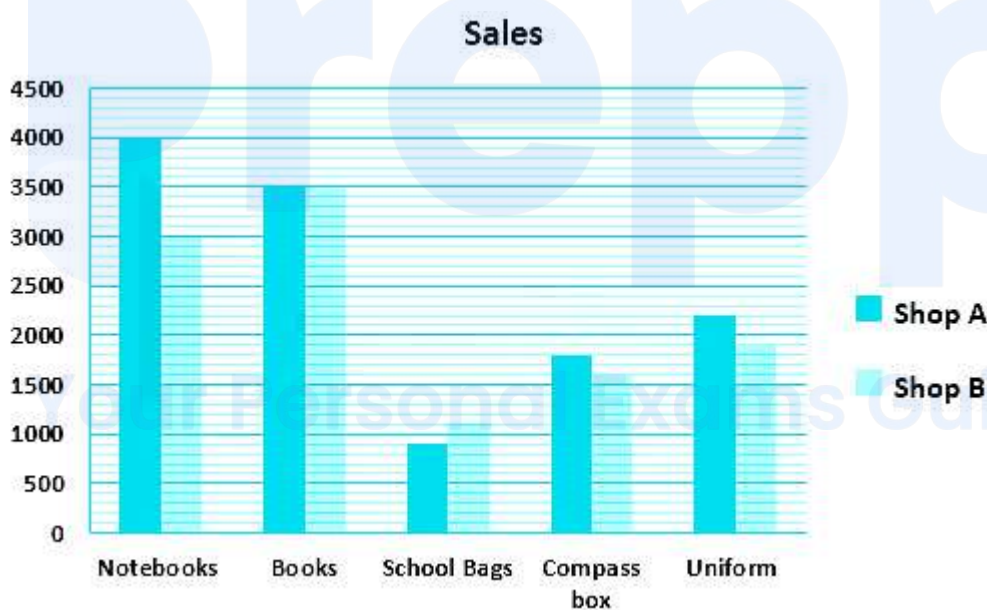
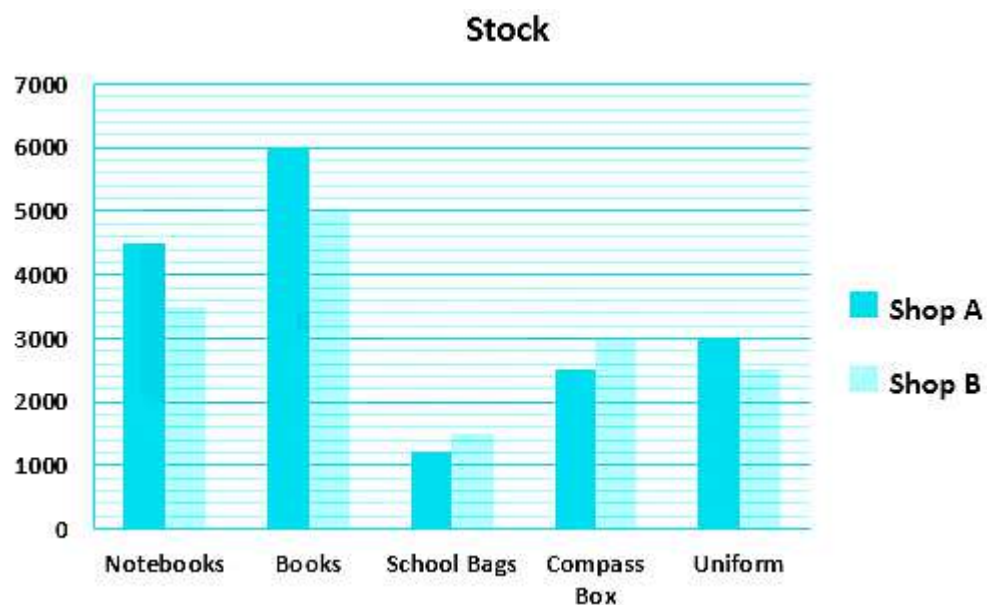
- a. 10
- b. 15
- c. 20
- d. 25
- e. 40

92. A book of 200 pages has 26 lines on each page and each line has approximately 9 words. Another publication prints the same book in which the pages have 33 lines and each line has approximately 8 words. Find the percentage change in the number of pages. (+1, -0.25)

- a. Increase, 11%
- b. Decrease, 11%
- c. Increase, 12.5%
- d. Decrease, 12.5%
- e. No change

93. **Direction:** The given data shows sales and stock of two shops in a particular month. Study the following data and answer the following (+1, -0.25)

questions:



The total stock of notebooks of both shops is what times the total stock of both shops?

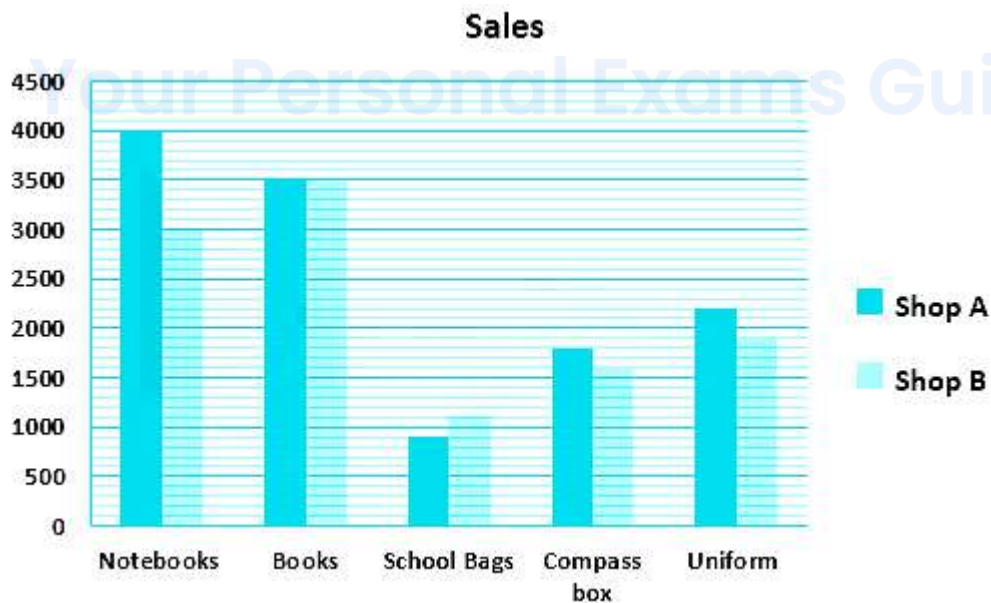
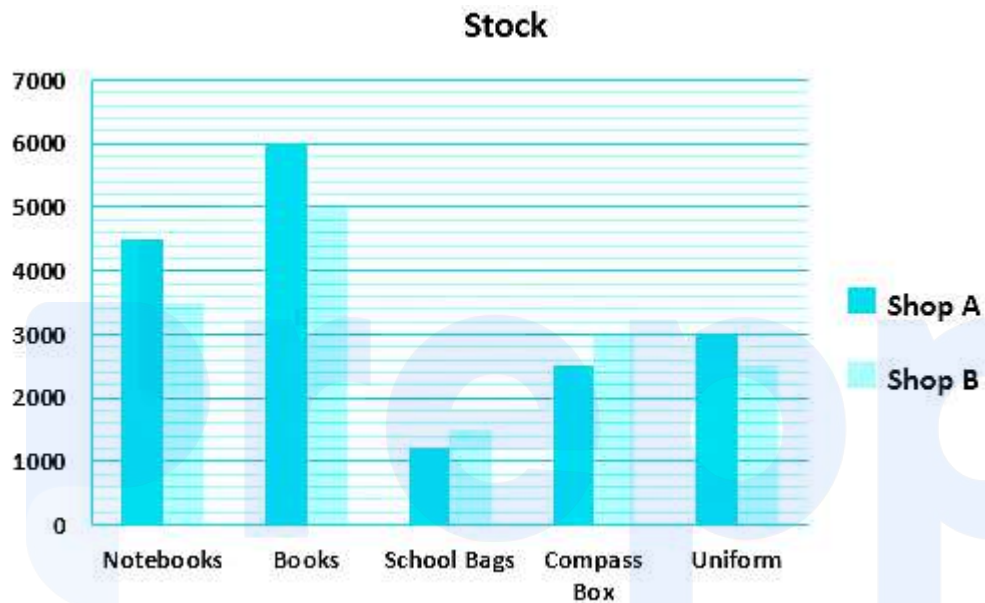
- a. 0.19
- b. 0.24
- c. 0.15

d. 0.30

e. 0.35

94. **Direction:** The given data shows sales and stock of two shops in a particular month. Study the following data and answer the following questions:

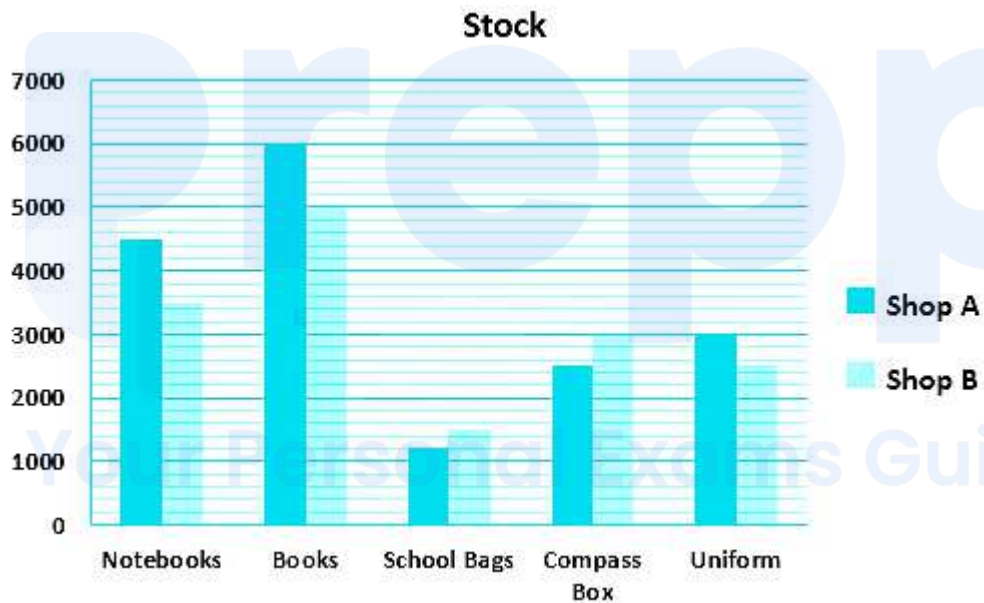
(+1, -0.25)

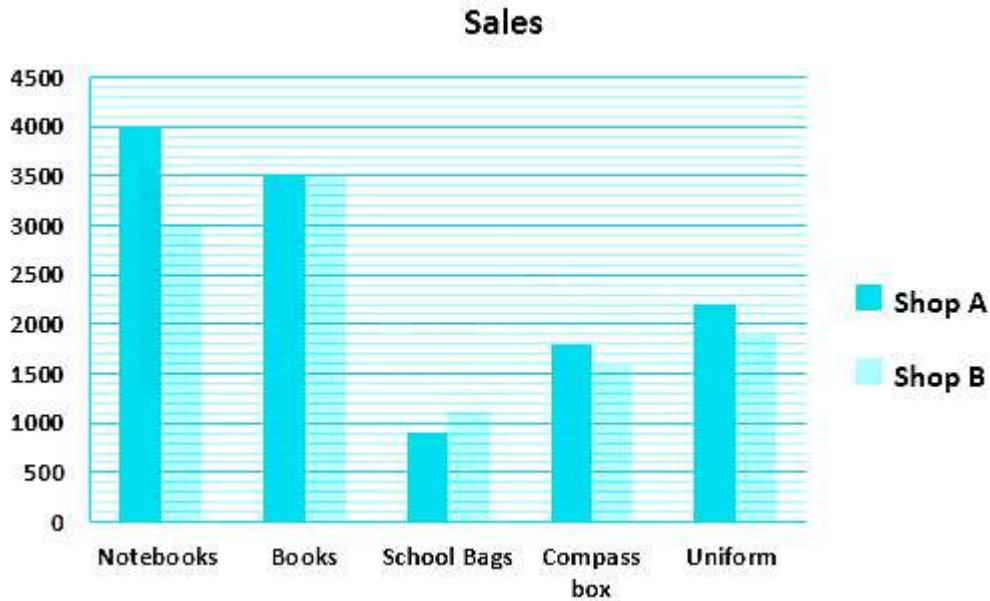


The total sales of shop B is what percent of the total stock of shop B?

- a. 65.40%
- b. 74.30%
- c. 71.61%
- d. 80.98%
- e. 78.25%

95. **Direction:** The given data shows sales and stock of two shops in a particular month. Study the following data and answer the following questions: (+1, -0.25)

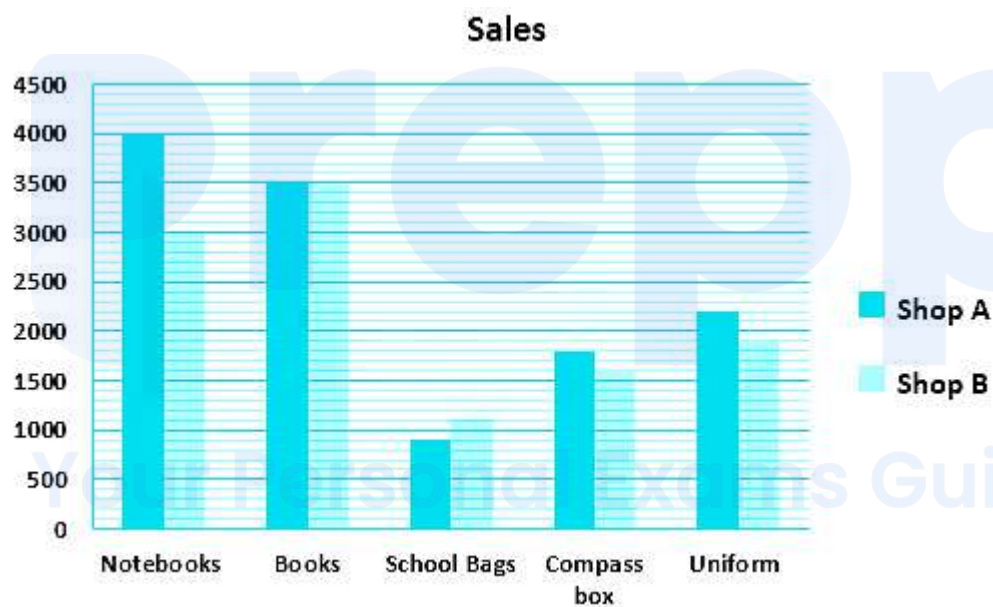
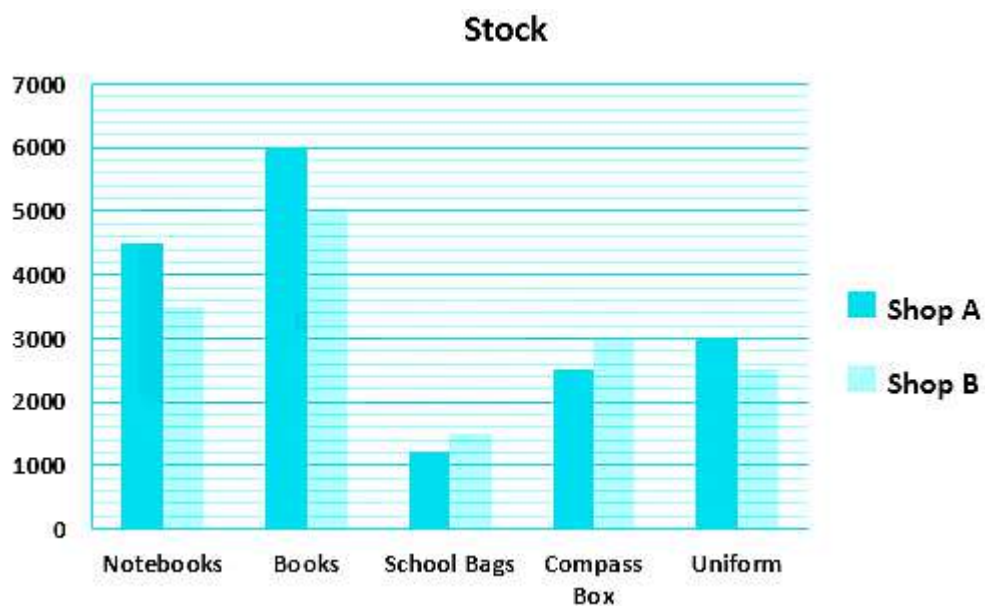




Total stocks remaining in shop A after sales is –

- a. 4100
- b. 3700
- c. 3600
- d. 4800
- e. 5600

96. **Direction:** The given data shows sales and stock of two shops in a particular month. Study the following data and answer the following questions: (+1, -0.25)



The ratio of average sales of shop A and shop B is –

- a. 111 : 125
- b. 124 : 111
- c. 41 : 112
- d. 41 : 37

e. 37 : 124

97. **Direction:** The given data shows sales and stock of two shops in a particular month. Study the following data and answer the following questions:

(+1, -0.25)



How many items had sales greater than the average sales of the two shops?

a. 2

- b. 3
- c. 4
- d. 1
- e. 0

98. Fill in the blank with the correct option:

(+1, -0.25)

In three vessels, each of 10 litres capacity, a mixture of milk and water is filled. The proportion of milk and water in the mixture is _____ when all the three vessels are emptied into a single large vessel. The ratios of milk and water are 2 : 1, 3 : 1 and 3 : 2 in the three respective vessels.

- a. 129 : 61
- b. 120 : 57
- c. 121 : 59
- d. 111 : 59
- e. 131 : 59

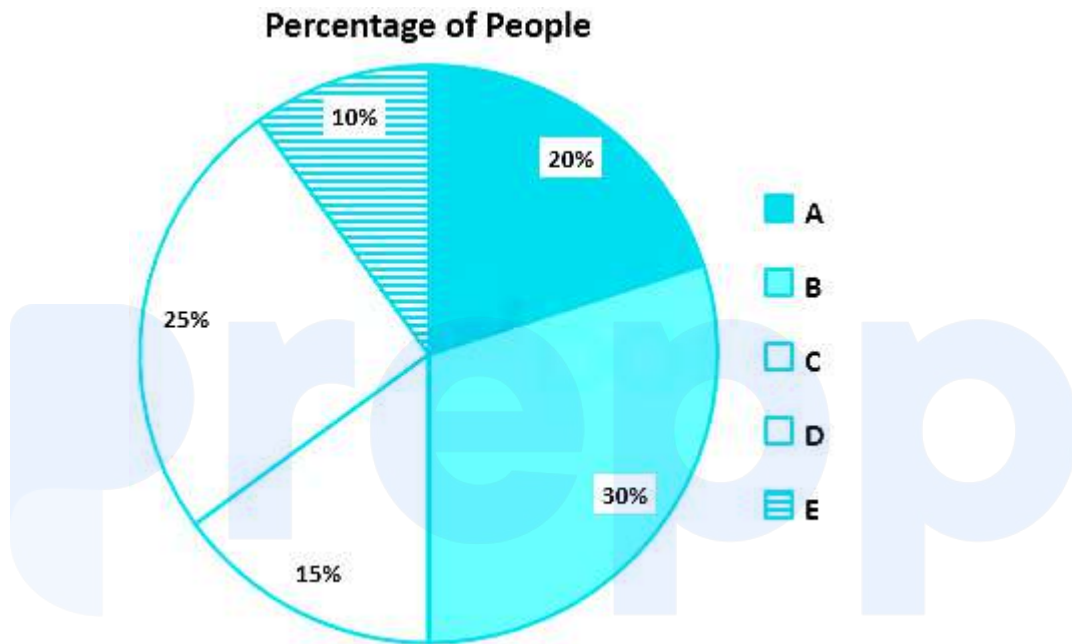
99. A dishonest milkman adds 100 ml of water in every 1 litre of milk and then sells the mixture at CP. What discount should he give so that he makes no profit and no loss?

(+1, -0.25)

- a. 7.5%
- b. 9.1%
- c. 10.8%
- d. 12.3%

e. 14.1%

100. **Direction:** The given pie chart shows the number of people (in percentage) in five villages and the percentage of literate people in five villages. The total number of people in village E is 3000. Study the following data and answer the following questions: (+1, -0.25)



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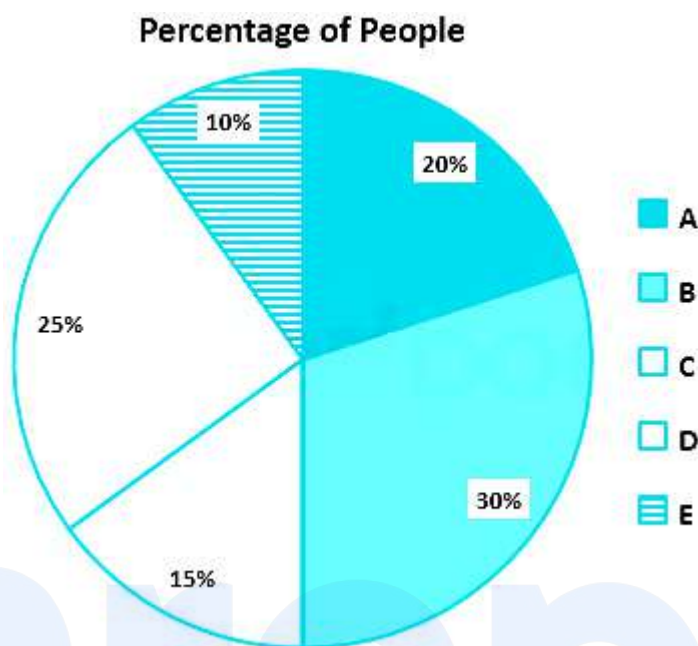
Village	Percentage of literate people (out of total people of respective village)
A	20%
B	10%
C	40%
D	25%
E	5%

If in every village 40% of the literate population is male, the average number of literate males is:

- a. 384
- b. 350
- c. 650
- d. 525
- e. 474

101. **Direction:** The given pie chart shows the number of people (in percentage) in five villages and the percentage of literate people in five (+1, -0.25)

villages. The total number of people in village E is 3000. Study the following data and answer the following questions:

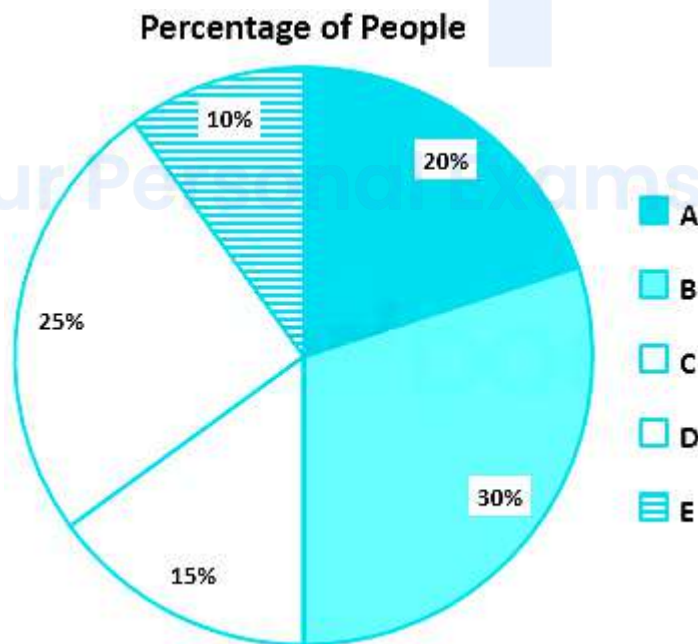


Village	Percentage of literate people (out of total people of respective village)
A	20%
B	10%
C	40%
D	25%
E	5%

In village B, if 20% of literate people are male, then the number of literate females is what percent of the total number of people in village B?

- a. 8
- b. 2
- c. 80
- d. 20
- e. 22

102. **Direction:** The given pie chart shows the number of people (in percentage) in five villages and the percentage of literate people in five villages. The total number of people in village E is 3000. Study the following data and answer the following questions: (+1, -0.25)



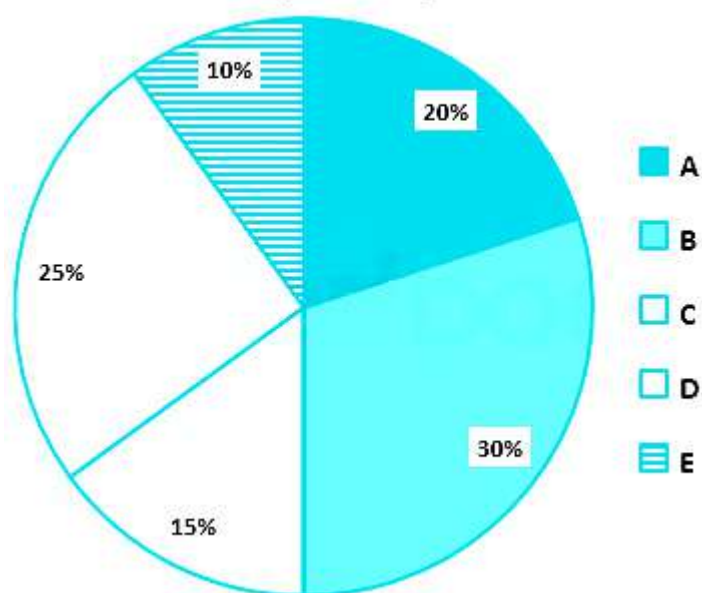
Village	Percentage of literate people (out of total people of respective village)
A	20%
B	10%
C	40%
D	25%
E	5%

Which village has the maximum number of literate people?

- a. A
- b. B
- c. D
- d. C
- e. E

103. **Direction:** The given pie chart shows the number of people (in percentage) in five villages and the percentage of literate people in five villages. The total number of people in village E is 3000. Study the following data and answer the following questions: (+1, -0.25)

Percentage of People

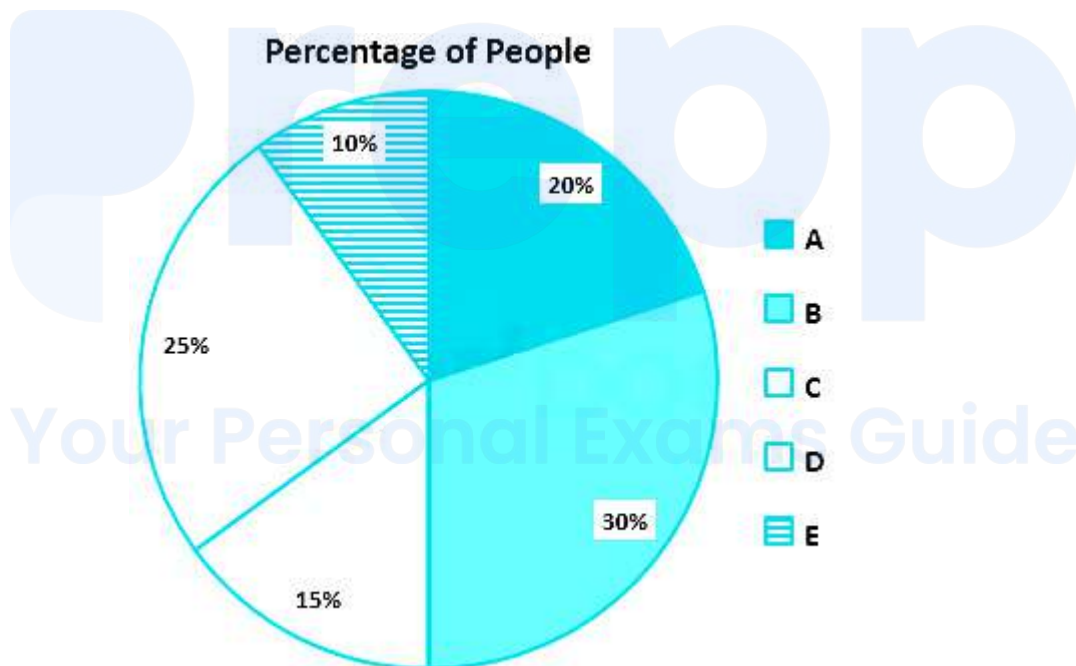


Village	Percentage of literate people (out of total people of respective village)
A	20%
B	10%
C	40%
D	25%
E	5%

The ratio of illiterate people in village E to the total number of illiterate people in all five villages is –

- a. 38 : 321
- b. 321 : 19
- c. 19 : 107
- d. 19 : 301
- e. 107 : 38

104. **Direction:** The given pie chart shows the number of people (in percentage) in five villages and the percentage of literate people in five villages. The total number of people in village E is 3000. Study the following data and answer the following questions: (+1, -0.25)



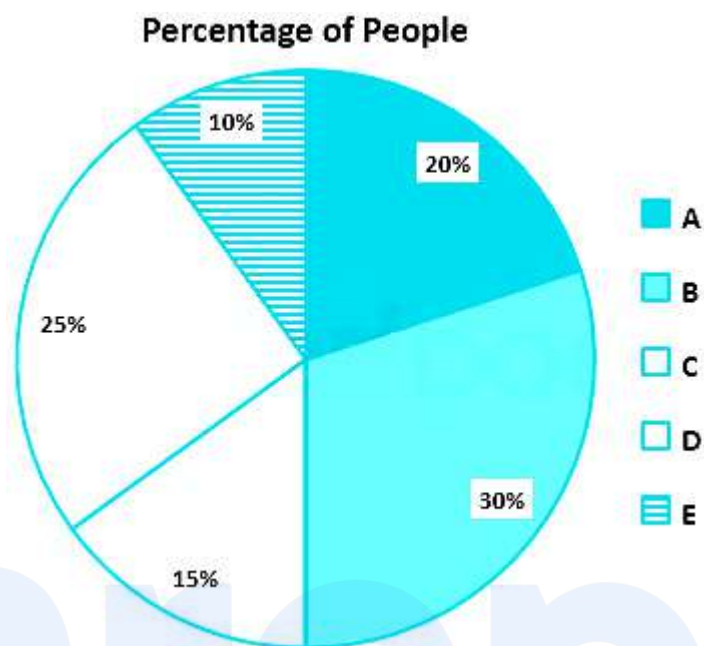
Village	Percentage of literate people (out of total people of respective village)
A	20%
B	10%
C	40%
D	25%
E	5%

The total number of illiterate people is what percent of the total number of people in the five villages –

- a. 89.50%
- b. 81.85%
- c. 84.50%
- d. 80.25%
- e. 76.50%

105. **Direction:** The given pie chart shows the number of people (in percentage) in five villages and the percentage of literate people in five (+1, -0.25)

villages. The total number of people in village E is 3000. Study the following data and answer the following questions:



Village	Percentage of literate people (out of total people of respective village)
A	20%
B	10%
C	40%
D	25%
E	5%

Total number of literate people in the five villages is-

- a. 5340
- b. 5480
- c. 5925
- d. 7560
- e. 6500

106. The present average age of four friends A, B, C and D is 40 years and 6 months. The age of A after 2 years will be half the age of D 6 years hence. The present ages of A and B are in the ratio of 4 : 5 respectively. The present ages of C and D are in the ratio of 5 : 6 respectively. Find the average of the present ages of B and C. (+1, -0.25)

- a. 40 years
- b. 34 years
- c. 28 years
- d. 52 years
- e. None of these

107. **Direction:** Each question is followed by data in the form of two statements labelled as I and II. (+1, -0.25)

What is the difference in the savings of A and B?

- I. A saves Rs. 200 more than C.
- II. B saves Rs. 450 less than C.

- a. If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- b. If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- c. If the data either in statement I or in statement II alone are sufficient to answer the question.
- d. If the combined data of statement I and statement II together are not sufficient to answer the question.
- e. If the data in both statement I and II are necessary to answer the question.

108. Direction: Each question is followed by data in the form of two statements labelled as I and II. (+1, -0.25)

What is the price of a ball?

I. Ram can buy 20 balls and 2 bats for Rs. 3000.

II. If there is a 5% discount on the price of a bat, then the price of 10 bats and a ball will be Rs. 2970.

- a. If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- b. If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.

- c. If the data either in statement I or in statement II alone are sufficient to answer the question.
- d. If the data combined from statement I and statement II together are not sufficient to answer the question.
- e. If the data in both statement I and II are necessary to answer the question.

109. Direction: Each question is followed by data in the form of two statements labelled as I and II.

(+1, -0.25)

What is the probability that a ball drawn from a box is blue, if only blue, red and pink balls are in the box?

I. There are 20 red balls and 16 remaining coloured balls in the box.

II. The number of blue balls is half of the difference in the number of red and pink balls.

- a. If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- b. If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- c. If the data either in statement I or in statement II alone are sufficient to answer the question.
- d. If the data combined from both statement I and statement II are not sufficient to answer the question.
- e. If the data in both statements I and II are necessary to answer the question.

110. **Direction:** Each question is followed by data in the form of two statements labelled as I and II. **(+1, -0.25)**

What is the length of the rectangle?

I. The diagonal of the rectangle is 29 cm.

II. The perimeter of the rectangle is 82 cm.

- a. If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- b. If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- c. If the data either in statement I or in statement II alone are sufficient to answer the question.
- d. If the combined data from both statement I and statement II are not sufficient to answer the question.
- e. If the data in both statement I and II are necessary to answer the question.

111. **Direction:** Each question is followed by data in the form of two statements labelled as I and II. **(+1, -0.25)**

How long does A alone take to complete the work?

I. B is more efficient than A.

II. A and B working together take 12 days to complete the work.

- a. If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question.
- b. If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- c. If the data either in statement I or in statement II alone are sufficient to answer the question.
- d. If the combined data from both statements I and statement II are not sufficient to answer the question.
- e. If the data in both statement I and II are necessary to answer the question.

112. Rajesh and Rajneesh started a business in partnership. Rajesh invested 12000 at the start while Rajneesh invested 9000. At the end of each month Rajesh withdrew 1000. Calculate the profit earned by Rajesh at the end of the year, if the business gave 310/7% profit on the initial amount. (+1, -0.25)

- a. 5400
- b. 5200
- c. 3600
- d. 3900
- e. 5600

113. Given below are two quantities named A and B. Based on the given information, you have to determine the relation between the two (+1, -0.25)

quantities.

You should use the given data and your knowledge of Mathematics to choose from the possible answers.

Quantity A: The average age of a group of students going for trekking from class A is 12 years. The average age of 25 students from class B is 14 years and they are also joining the trekking trip. Then, the average age of the total group of students going for trekking is 12.90 years. The number of students in class A is:

Quantity B: The average salary of all the staff in an institute is Rs. 6000. The average salary of 8 workers is Rs. 5000 and the average salary of the other officers is Rs. 8000. The difference in number of workers and number of officers is:

- a. Quantity A > Quantity B
- b. Quantity A < Quantity B
- c. Quantity A $\geq$ Quantity B
- d. Quantity A $\leq$ Quantity B
- e. Quantity A = Quantity B or no relation

114. Given below are two quantities named A and B. Based on the given information, you have to determine the relation between the two quantities.

(+1, -0.25)

You should use the given data and your knowledge of Mathematics to choose from the possible answers.

Quantity A: 10 years ago, the ratio of ages of P and Q is 2 : 3. After 4 years, the difference in ages of Q and P will be 8 years. Find the present age of P.

Quantity B: At present, a father is 2 times his daughter's age. 7 years ago, the sum of the ages of father and daughter was 67 years. After 3 years, the father's age will be:

- a. Quantity A > Quantity B
- b. Quantity A < Quantity B
- c. Quantity A $\geq$ Quantity B
- d. Quantity A $\leq$ Quantity B
- e. Quantity A = Quantity B or no relation

115. Given below are two quantities named A and B. Based on the given information, you have to determine the relation between the two quantities. (+1, -0.25)

You should use the given data and your knowledge of Mathematics to choose from the possible answers.

Quantity A: The population of a company was 20000 three years ago. It is increased by 5%, 10% and N% respectively in the last three years. If the present population of the company is 24948, then the value of N is:

Quantity B: A trader purchased 70 quantities of similar bags at a rate of Rs. 275 each. He fixed the marked price of each bag at Rs. 330 and allowed a discount of 10% on the marked price. What is the percentage profit?

- a. Quantity A > Quantity B
- b. Quantity A < Quantity B
- c. Quantity A $\geq$ Quantity B
- d. Quantity A $\leq$ Quantity B

- e. Quantity A = Quantity B or no relation

116. Given below are two quantities named A and B. Based on the given information, you have to determine the relation between the two quantities. (+1, -0.25)

You should use the given data and your knowledge of Mathematics to choose from the possible answers.

Quantity A: M and N together can complete a work in 6 hours while N and P can complete the work in 12 hours. M alone worked for an hour and N alone worked for 2 hours and P completed the work in 46 hours. In how many hours can M alone complete the work?

Quantity B: Two cyclists P and Q starting from point A move at rates of 10 kmph and 12 kmph respectively. If they ride in the same direction, in what time will they be 10 km apart?

- a. Quantity A > Quantity B
- b. Quantity A < Quantity B
- c. Quantity A $\geq$ Quantity B
- d. Quantity A $\leq$ Quantity B
- e. Quantity A = Quantity B or no relation

117. Given below are two quantities named A and B. Based on the given information, you have to determine the relation between the two quantities. (+1, -0.25)

You should use the given data and your knowledge of Mathematics to choose from the possible answers.

In the following question, two equations are given. You have to solve these equations and determine the relationship between A and B.

Quantity A: $a^2 + 16a - 665 = 0$

Quantity B: $b^2 + 63b + 980 = 0$

- a. Quantity A > Quantity B
- b. Quantity A < Quantity B
- c. Quantity A $\geq$ Quantity B
- d. Quantity A $\leq$ Quantity B
- e. Quantity A = Quantity B, or no relation

118. The diameter of the iron ball used for the shot-put game is 14 cm. It is melted and then a solid cylinder of height $2\frac{1}{3}$ cm is made. What will be the diameter of the base of the cylinder? (+1, -0.25)

- a. 14 cm
- b. 28 cm
- c. $\frac{14}{3}$ cm
- d. $\frac{28}{3}$ cm
- e. 42 cm

119. John is twice as efficient as Johnny and Johnny can do a piece of work in 30 days. Johnny started the work and after a few days, John joined him. They completed the work in 22 days. From the very beginning, for how many days did they work together? (+1, -0.25)

- a. 6 days
- b. 8 days
- c. 4 days
- d. 10 days
- e. 15 days

120. Two taps A and B can fill a tank in $40/9$ minutes and B takes 2 more minutes to fill the tank than A when operated individually. Find the time taken by A to fill the tank when operated alone. (+1, -0.25)

- a. 2 minutes
- b. 3 minutes
- c. 5 minutes
- d. 7 minutes
- e. 8 minutes

121. Starting from his house one day, a student walks at a speed of 2.5 km/hr and reaches his school 6 minutes late. Next day at the same time he increases his speed by 1km/hr and reaches the school 6 minutes early. How far is the school from his house? (+1, -0.25)

- a. 2 km
- b. $1\frac{1}{2}$ km
- c. 1 km

- d. $1\frac{3}{4}$ km
- e. 2.5 km

122. The speed of a boat is three times the flow of the stream. The time taken to travel a certain distance against the flow is three hours more than that taken while traveling with the flow. The distance covered by the boat is 48 km in each of the upstream and downstream. Find the speed of the boat and the river (in km/hr) respectively. (+1, -0.25)

- a. 4, 12
- b. 12, 4
- c. 6, 18
- d. 18, 6
- e. 3, 9

123. A train, running at a speed of 54 km/hr, passes a man going in the same direction at 18 km/hr, in 12 seconds and passes a woman going in the opposite direction in 6 seconds. Find the speed of the woman. (+1, -0.25)

- a. 15 m/s
- b. 10 m/s
- c. 5 m/s
- d. 12 m/s
- e. 4 m/s

124. **Direction:** A bank distributes following amount of money to one person. (+1, -0.25)
Study the following data and answer the following questions:

Number of notes	Denomination	Total amount	% of notes returned to the bank
-	Rs. 10	6500	8
-	Rs. 20	20000	10
300	Rs. 50	-	15
500	Rs. 100	50000	-
350	-	70000	-

Total number of notes in good condition that the person has is what percent of the total number of notes?

(Percentage of returned notes of Rs. 200 = 10%)

(Percentage of returned notes of Rs. 100 = 5%)

- a. 90.82%
- b. 95.45%
- c. 67.89%
- d. 78.9%

e. 87.65%

125. **Direction:** A bank distributes following amount of money to one person. (+1, -0.25)
Study the following data and answer the following questions:

Number of notes	Denomination	Total amount	% of notes returned to the bank
-	Rs. 10	6500	8
-	Rs. 20	20000	10
300	Rs. 50	-	15
500	Rs. 100	50000	-
350	-	70000	-

What is the total number of returned notes if the number of notes the person has of Rs. 100 after returning is 95% of the total notes of Rs. 100? (Percentage of returned notes of Rs. 200 = 10%).

- a. 235
- b. 175
- c. 198
- d. 257

e. 304

- 126. Direction:** A bank distributes following amount of money to one person. **(+1, -0.25)**
Study the following data and answer the following questions:

Number of notes	Denomination	Total amount	% of notes returned to the bank
-	Rs. 10	6500	8
-	Rs. 20	20000	10
300	Rs. 50	-	15
500	Rs. 100	50000	-
350	-	70000	-

Before returning, the number of notes of Rs. 10 is what percent of the total number of notes?

- a. 12.6%
- b. 20.54%
- c. 23.21%
- d. 13.45%
- e. 25.6%

127. **Direction:** A bank distributes following amount of money to one person. (+1, -0.25)
Study the following data and answer the following questions:

Number of notes	Denomination	Total amount	% of notes returned to the bank
-	Rs. 10	6500	8
-	Rs. 20	20000	10
300	Rs. 50	-	15
500	Rs. 100	50000	-
350	-	70000	-

The percentage of returned notes of Rs. 200 is the same as percentage of returned notes of Rs. 20. The ratio of the number of notes of Rs. 200 and Rs. 50 after returning the notes to the bank is –

- a. 11 : 20
- b. 5 : 18
- c. 17 : 12
- d. 10 : 11
- e. 21 : 17

128. **Direction:** A bank distributes following amount of money to one person. (+1, -0.25)
Study the following data and answer the following questions:

Number of notes	Denomination	Total amount	% of notes returned to the bank
-	Rs. 10	6500	8
-	Rs. 20	20000	10
300	Rs. 50	-	15
500	Rs. 100	50000	-
350	-	70000	-

The difference in the number of notes of Rs. 20 and Rs. 10 returned to the bank is –

- a. 12
- b. 60
- c. 152
- d. 52
- e. 48

129. **Direction:** A bank distributes following amount of money to one person. (+1, -0.25)
Study the following data and answer the following questions:

Number of notes	Denomination	Total amount	% of notes returned to the bank
-	Rs. 10	6500	8
-	Rs. 20	20000	10
300	Rs. 50	-	15
500	Rs. 100	50000	-
350	-	70000	-

What is the average amount using five different types of notes that the bank gave to the person?

- a. Rs. 32300
- b. Rs. 35600
- c. Rs. 23450
- d. Rs. 25600
- e. Rs. 36500

130. A sum of money was invested for 2 years at the rate of 10% compounded annually. After that, the received amount is invested for another 3 years at rate of 15% simple interest. Finally, the amount becomes Rs. 1, 75, 450. _____ is the initial sum of money that was invested? **(+1, -0.25)**

- a. 110000
- b. 100000
- c. 140000
- d. 160000
- e. 130000

131. A party was organised by a company for 60 females and 80 males. There are two separate types of food for females and males, with the prices being Rs. 200 per plate for females and Rs. 240 per plate for males. But, 20% of the females and 30% of the males did not come for the party. Find the compound ratio of the amount of money wasted by the company due to these females and males not coming to the party. **(+1, -0.25)**

- a. 3 : 5
- b. 5 : 12
- c. 5 : 3
- d. 7 : 6
- e. None of these

132. The price of 12 pillows and 7 beds is Rs. 4250 and the price of a pillow and 3 beds is Rs. 1200. The average of the the price of a pillow and the price of **(+1, -0.25)**

a bed is -

- a. Rs. 250
- b. Rs. 400
- c. Rs. 270
- d. Rs. 100
- e. Rs. 320

133. A 60 m long log of wood was cut into four pieces, such that the first piece is 6 m longer than the second piece, the length of the second piece is $\frac{5}{12}$ of the length of third piece, and the third piece is 4 m longer than twice the fourth piece. Find the length of the first piece. **(+1, -0.25)**

- a. 10 m
- b. 12 m
- c. 16 m
- d. 20 m
- e. 24 m

134. If the total cost of 73 articles is Rs. 5,110 and the total selling price of 89 such articles is Rs. 5,607, then in the transaction, there will be - **(+1, -0.25)**

- a. a loss of 15%
- b. a gain of 10%
- c. a loss of 10%

d. a gain of 15%

e. a gain of 20%

135. Direction: One of the numbers in the following number series is wrong. (+1, -0.25)
Select the wrong number.

87, 88, 86, 95, 67, 32, 6

a. 6

b. 67

c. 86

d. 95

e. 32

136. Direction: One of the numbers in the following number series is wrong. (+1, -0.25)
Select the wrong number.

6, 8, 14, 30, 75, 233, 817.5

a. 233

b. 30

c. 14

d. 75

e. 8

137. **Direction:** One of the numbers in the following number series is wrong. (+1, -0.25)
Select the wrong number.

3, 7, 14, 23, 41, 75

- a. 14
- b. 7
- c. 23
- d. 75
- e. 41

-
138. **Direction:** One of the numbers in the following number series is wrong. (+1, -0.25)
Select the wrong number.

21, 33, 45, 60, 77, 96

- a. 77
- b. 60
- c. 96
- d. 45
- e. 33

-
139. **Direction:** One of the numbers in the following number series is wrong. (+1, -0.25)
Select the wrong number.

17, 13, 18, 14, 21, 13, 4, 14, 25

- a. 18
- b. 17
- c. 21
- d. 4
- e. 25

140. Rs. 500 was invested at 12% per annum simple interest and a certain sum (+1, -0.25) of money was invested at 10% per annum simple interest. If the sum of the interests on both the sums after 4 years is Rs. 480, the latter sum of money is

- a. Rs. 450
- b. Rs. 750
- c. Rs. 600
- d. Rs. 550
- e. Rs. 650

Reasoning Ability & Computer Aptitude

141. **Directions:** In the following question, the symbols \$, @, #, & and % are used with the following meaning as illustrated below: (+1, -0.25)

'A \$ B' means 'A is greater than B'.

'A @ B' means 'A is smaller than B'.

'A # B' means 'A is not smaller than B'.

'A % B' means 'A is not greater than B'.

'A & B' means 'A is neither smaller nor greater than B'.

Now in each of the following questions assuming the given statements to be true, find which of the conclusion/s given below them is/are definitely true?

Statements:

P # B \$ T; R & B \$ S; L % R # Q

Conclusions:

I. P # Q

II. L & Q

III. T % S

IV. P # S

- a. Only Conclusion I is true.
- b. Both Conclusions I and IV are true.
- c. Either Conclusion II or III is true.
- d. Neither Conclusion I nor III is true.

- e. Both Conclusions II and III are true.

142. Directions: In the following question, the symbols \$, @, #, & and % are used with the following meaning as illustrated below: (+1, -0.25)

'A \$ B' means 'A is greater than B'.

'A @ B' means 'A is smaller than B'.

'A # B' means 'A is not smaller than B'.

'A % B' means 'A is not greater than B'.

'A & B' means 'A is neither smaller nor greater than B'.

Now in each of the following questions assuming the given statements to be true, find which of the conclusion/s given below them is/are definitely true?

Statement:

R \$ W % P; N & W # S; J % T @ N; K & T

Conclusions:

I. N # J

II. P # S

III. R @ P

IV. W \$ K

- a. Only Conclusion I is true.
- b. Both Conclusions I and IV are true.
- c. Either Conclusion II or III is true.
- d. None of the conclusion is true.

e. Both Conclusions II and IV are true.

143. Directions: In the following question, the symbols \$, @, #, & and % are used with the following meaning as illustrated below: (+1, -0.25)

'A \$ B' means 'A is greater than B'.

'A @ B' means 'A is smaller than B'.

'A # B' means 'A is not smaller than B'.

'A % B' means 'A is not greater than B'.

'A & B' means 'A is neither smaller nor greater than B'.

Now in each of the following questions assuming the given statements to be true, find which of the conclusion/s given below them is/are definitely true?

Statement:

R % X @ W; Y # Z # S; X & Z; W \$ U & Y

Conclusions:

I. U \$ X

II. W # Y

III. S @ R

IV. W % Z

- a. Only Conclusion I is true.
- b. Both Conclusions I and IV are true.
- c. Either Conclusion II or III is true.
- d. None of the conclusions is true

e. Both Conclusions II and IV are true

144. Directions: In the following question, the symbols \$, @, #, & and % are used with the following meaning as illustrated below: (+1, -0.25)

'A \$ B' means 'A is greater than B'.

'A @ B' means 'A is smaller than B'.

'A # B' means 'A is not smaller than B'.

'A % B' means 'A is not greater than B'.

'A & B' means 'A is neither smaller nor greater than B'.

Now in each of the following questions assuming the given statements to be true, find which of the conclusion/s given below them is/are definitely true?

Statement

C # G @ D; I % E @ F; F & D; J \$ C # K

Conclusion

I. J & K

II. G \$ E

III. K @ J

IV. I @ D

- a. Only Conclusion I is true.
- b. Both Conclusions III and IV are true.
- c. Either Conclusion II or III is true.
- d. None of the conclusions is true

e. Both Conclusions II and IV are true.

145. Directions: In the following question, the symbols \$, @, #, & and % are used with the following meaning as illustrated below: (+1, -0.25)

'A \$ B' means 'A is greater than B'.

'A @ B' means 'A is smaller than B'.

'A # B' means 'A is not smaller than B'.

'A % B' means 'A is not greater than B'.

'A & B' means 'A is neither smaller nor greater than B'.

Now in each of the following questions assuming the given statements to be true, find which of the conclusion/s given below them is/are definitely true?

Statement

L % M # N; O @ Q % H; H & M @ R

Conclusion:

I. O \$ L

II. L % N

III. O % R

IV. L # O

- a. Only Conclusion III is true.
- b. Both Conclusions III and IV are true.
- c. Either Conclusion I or IV is true.
- d. None of the conclusion is true

- e. Both Conclusions II and IV are true.

146. Direction: Read the following instructions carefully and answer the question that follows: (+1, -0.25)

Ten family members including 6 children i.e. P, Q, R, S, T, U are playing in a ground and standing in different positions to play a game. The coded language used to indicate the positions of the family members are as follows:

A % B - B is 2 m to the East of A

A @ B - B is 2 m to the West of A

A © B - B is 2 m to the North of A

A # B - B is 2 m to the South of A

A @ © B - A is 3 m to the North West of B

A # @ B - A is 3 m to the South West of B

A # % B - A is 3 m to the South East of B

A © % B - A is 3 m to the North East of B

The codes for the positions of Family members are as follows:

P % R # B @ A © % U; Q # % B; T © C @ D © A; D # S;

What is the minimum distance between A and T?

- a. $2\sqrt{5}$ m
- b. 6 m
- c. $\sqrt{5}$ m
- d. 3 m

e. None of these

147. Direction: Read the following instructions carefully and answer the question that follows: (+1, -0.25)

Ten family members including 6 children i.e. P, Q, R, S, T, U are playing in a ground and standing in different positions to play a game. The coded language used to indicate the positions of the family members are as follows:

A % B - B is 2 m to the East of A

A @ B - B is 2 m to the West of A

A © B - B is 2 m to the North of A

A # B - B is 2 m to the South of A

A @ © B - A is 3 m to the North West of B

A # @ B - A is 3 m to the South West of B

A # % B - A is 3 m to the South East of B

A © % B - A is 3 m to the North East of B

The codes for the positions of Family members are as follows:

P % R # B @ A © % U; Q # % B; T © C @ D © A; D # S;

Which of the following pairs of members are standing in a straight line?

a. U, A, B

b. U, P, R

c. A, B, C

d. A, D, S

e. None of these

148. Direction: Read the following instructions carefully and answer the question that follows: (+1, -0.25)

Ten family members including 6 children i.e. P, Q, R, S, T, U are playing in a ground and standing in different positions to play a game. The coded language used to indicate the positions of the family members are as follows:

A % B - B is 2 m to the East of A

A @ B - B is 2 m to the West of A

A © B - B is 2 m to the North of A

A # B - B is 2 m to the South of A

A @ © B - A is 3 m to the North West of B

A # @ B - A is 3 m to the South West of B

A # % B - A is 3 m to the South East of B

A © % B - A is 3 m to the North East of B

The codes for the positions of Family members are as follows:

P % R # B @ A © % U; Q # % B; T © C @ D © A; D # S;

What is the total distance between R and Q?

- a. 3 m
- b. 5 m
- c. $\sqrt{5}$ m
- d. 6 m

e. Cannot be determined

149. Directions: Study the following information to answer the given questions. (+2, -0.5)

Nine persons U, V, T, Z, S, X, W, Y, and E are sitting in a row. Some of them are facing North and others are facing South. Opposite direction means (If one faces South, the other faces North and vice versa). Also, their age lies between 35–65 and none of them has the same age.

U and V are immediate neighbors of each other and the difference between both of their ages is one year and the age of one of them is a perfect square of a number which is more than 5. The number of persons sitting between the one whose age is 37 and the one who is sitting immediately right of W is one more than the number of persons sitting between S and U. Not more than 3 persons are facing south direction. S is the youngest amongst nine. U, who is 48 years old sits third to the left of X. W's age is 3 years more than V. Difference between the ages of Y and T is 5 years and T is older than Y, who is 2 years younger than Z. The number of persons sitting between T and W is same as the number of persons sitting between Z and W. The person who is 55 years old sits sixth to the right of T. E's age is 10 years less than his neighbor. Z faces the opposite direction with respect to both U and Y. One person sits between Z and the person whose age is a perfect square of a number which is more than 6. E sits second to the left of Y and faces the opposite direction with respect to both W and Y. W sits in the middle of the row, and one person sits between Y and W. S and T both are immediate neighbors of each other and one of them sits at any extreme end of row and both face the same direction with respect to E. The age of both the neighbors of W is a perfect square number.

How many persons are sitting to the right of U?

- a. Four
- b. Three

- c. Two
- d. One
- e. None of these

150. **Directions:** Study the following information to answer the given questions. (+2, -0.5)

Nine persons U, V, T, Z, S, X, W, Y, and E are sitting in a row. Some of them are facing North and others are facing South. Opposite direction means (If one faces South, the other faces North and vice versa). Also, their age lies between 35–65 and none of them has the same age.

U and V are immediate neighbors of each other and the difference between both of their ages is one year and the age of one of them is a perfect square of a number which is more than 5. The number of persons sitting between the one whose age is 37 and the one who is sitting immediately right of W is one more than the number of persons sitting between S and U. Not more than 3 persons are facing south direction. S is the youngest amongst nine. U, who is 48 years old sits third to the left of X. W's age is 3 years more than V. Difference between the ages of Y and T is 5 years and T is older than Y, who is 2 years younger than Z. The number of persons sitting between T and W is same as the number of persons sitting between Z and W. The person who is 55 years old sits sixth to the right of T. E's age is 10 years less than his neighbor. Z faces the opposite direction with respect to both U and Y. One person sits between Z and the person whose age is a perfect square of a number which is more than 6. E sits second to the left of Y and faces the opposite direction with respect to both W and Y. W sits in the middle of the row, and one person sits between Y and W. S and T both are immediate neighbors of each other and one of them sits at any extreme end of row and both face the same direction with respect to E. The age of both the neighbors of W is a perfect square number.

Which group represents the people whose age is a perfect square number?

- a. S, T
- b. X, V
- c. X, W
- d. V, U
- e. None of these

151. **Directions:** Study the following information to answer the given questions. (+2, -0.5)

Nine persons U, V, T, Z, S, X, W, Y, and E are sitting in a row. Some of them are facing North and others are facing South. Opposite direction means (If one faces South, the other faces North and vice versa). Also, their age lies between 35-65 and none of them has the same age.

U and V are immediate neighbors of each other and the difference between both of their ages is one year and the age of one of them is a perfect square of a number which is more than 5. The number of persons sitting between the one whose age is 37 and the one who is sitting immediately right of W is one more than the number of persons sitting between S and U. Not more than 3 persons are facing south direction. S is the youngest amongst nine. U, who is 48 years old sits third to the left of X. W's age is 3 years more than V. Difference between the ages of Y and T is 5 years and T is older than Y, who is 2 years younger than Z. The number of persons sitting between T and W is same as the number of persons sitting between Z and W. The person who is 55 years old sits sixth to the right of T. E's age is 10 years less than his neighbor. Z faces the opposite direction with respect to both U and Y. One person sits between Z and the person whose age is a perfect square of a number which is more than 6. E sits second to the left of Y and faces the opposite direction with respect to both W and Y. W sits in the middle of the row, and one person sits between Y and W. S and T both are immediate neighbors of each other and one of them sits at any extreme end of row and both

face the same direction with respect to E. The age of both the neighbors of W is a perfect square number.

How many persons are sitting between U and Z?

- a. None
- b. Two
- c. Three
- d. Four
- e. One

152. Directions: Study the following information to answer the given questions. (+2, -0.5)

Nine persons U, V, T, Z, S, X, W, Y, and E are sitting in a row. Some of them are facing North and others are facing South. Opposite direction means (If one faces South, the other faces North and vice versa). Also, their age lies between 35-65 and none of them has the same age.

U and V are immediate neighbors of each other and the difference between both of their ages is one year and the age of one of them is a perfect square of a number which is more than 5. The number of persons sitting between the one whose age is 37 and the one who is sitting immediately right of W is one more than the number of persons sitting between S and U. Not more than 3 persons are facing south direction. S is the youngest amongst nine. U, who is 48 years old sits third to the left of X. W's age is 3 years more than V. Difference between the ages of Y and T is 5 years and T is older than Y, who is 2 years younger than Z. The number of persons sitting between T and W is same as the number of persons sitting between Z and W. The person who is 55 years old sits sixth to the right of T. E's age is 10 years less than his neighbor. Z faces the opposite direction with respect to both U and Y. One person sits between Z and the person whose age is a perfect square of a number

which is more than 6. E sits second to the left of Y and faces the opposite direction with respect to both W and Y. W sits in the middle of the row, and one person sits between Y and W. S and T both are immediate neighbors of each other and one of them sits at any extreme end of row and both face the same direction with respect to E. The age of both the neighbors of W is a perfect square number.

If T is related to V and Y is related to W in a certain way, then following the same pattern, who is X related to?

- a. E
- b. Z
- c. T
- d. S
- e. None of these

153. Directions: Study the following information to answer the given questions. (+2, -0.5)

Nine persons U, V, T, Z, S, X, W, Y, and E are sitting in a row. Some of them are facing North and others are facing South. Opposite direction means (If one faces South, the other faces North and vice versa). Also, their age lies between 35-65 and none of them has the same age.

U and V are immediate neighbors of each other and the difference between both of their ages is one year and the age of one of them is a perfect square of a number which is more than 5. The number of persons sitting between the one whose age is 37 and the one who is sitting immediately right of W is one more than the number of persons sitting between S and U. Not more than 3 persons are facing south direction. S is the youngest amongst nine. U, who is 48 years old sits third to the left of X. W's age is 3 years more than V. Difference between the ages of Y and T is 5 years and T is older than Y, who is 2 years younger

than Z. The number of persons sitting between T and W is same as the number of persons sitting between Z and W. The person who is 55 years old sits sixth to the right of T. E's age is 10 years less than his neighbor. Z faces the opposite direction with respect to both U and Y. One person sits between Z and the person whose age is a perfect square of a number which is more than 6. E sits second to the left of Y and faces the opposite direction with respect to both W and Y. W sits in the middle of the row, and one person sits between Y and W. S and T both are immediate neighbors of each other and one of them sits at any extreme end of row and both face the same direction with respect to E. The age of both the neighbors of W is a perfect square number.

Which group represents the people facing south direction?

- a. WUY
- b. XWY
- c. STY
- d. TWY
- e. None of these

Your Personal Exams Guide

154. Direction: Read the following information carefully and answer the questions given below. (+1, -0.25)

Eight persons A, B, C, D, E, F, G, and H live in an eight-floor building. Each of them likes a different biscuit viz Parle G, Nimkin, Krackjack, Golden Arcs, Kreams, Festo, Magix, and Top, but not necessarily in the same order. The lowermost floor is numbered 1 and the topmost floor is numbered 8.

Only one person lives between the one who likes Magix and the one who likes Golden Arcs. There is only one floor between the one who likes Krackjack and the one who likes Festo. There are two floors between the

one who likes Golden Arcs and H. Neither D nor C like Golden Arcs or Magix. The one who likes Parle G lives on floor no. 1. A lives above H, who does not live on the first floor but likes Nimkin. The one who likes Krackjack lives on the topmost floor. B does not like Krackjack. E lives on the floor number which is between D and A. C live above F and D. There are three floors between the floor on which C lives and the floor on which F lives. A lives on an even-numbered floor and likes Kreams.

Which of the following likes Top?

- a. B
- b. F
- c. G
- d. C
- e. E

155. **Direction:** Read the following information carefully and answer the questions given below. (+1, -0.25)

Eight persons A, B, C, D, E, F, G, and H live in an eight-floor building. Each of them likes a different biscuit viz Parle G, Nimkin, Krackjack, Golden Arcs, Kreams, Festo, Magix, and Top, but not necessarily in the same order. The lowermost floor is numbered 1 and the topmost floor is numbered 8.

Only one person lives between the one who likes Magix and the one who likes Golden Arcs. There is only one floor between the one who likes Krackjack and the one who likes Festo. There are two floors between the one who likes Golden Arcs and H. Neither D nor C like Golden Arcs or Magix. The one who likes Parle G lives on floor no. 1. A lives above H, who does not live on the first floor but likes Nimkin. The one who likes Krackjack lives on the topmost floor. B does not like Krackjack. E lives on

the floor number which is between D and A. C live above F and D. There are three floors between the floor on which C lives and the floor on which F lives. A lives on an even-numbered floor and likes Kreams.

Which of the following combinations is true?

- a. 1 – B – Nimkin
- b. 3 – F – Karckjack
- c. 6 – C – Festo
- d. 7 – A – Top
- e. 3 – F – Magix

156. **Direction:** Read the following information carefully and answer the questions given below. (+1, -0.25)

Eight persons A, B, C, D, E, F, G, and H live in an eight-floor building. Each of them likes a different biscuit viz Parle G, Nimkin, Krackjack, Golden Arcs, Kreams, Festo, Magix, and Top, but not necessarily in the same order. The lowermost floor is numbered 1 and the topmost floor is numbered 8.

Only one person lives between the one who likes Magix and the one who likes Golden Arcs. There is only one floor between the one who likes Krackjack and the one who likes Festo. There are two floors between the one who likes Golden Arcs and H. Neither D nor C like Golden Arcs or Magix. The one who likes Parle G lives on floor no. 1. A lives above H, who does not live on the first floor but likes Nimkin. The one who likes Krackjack lives on the topmost floor. B does not like Krackjack. E lives on the floor number which is between D and A. C live above F and D. There are three floors between the floor on which C lives and the floor on which F lives. A lives on an even-numbered floor and likes Kreams.

Which of the following biscuits does D like?

- a. Nimkin
- b. Karckjack
- c. Festo
- d. Top
- e. Parle G

157. **Direction:** Read the following information carefully and answer the questions given below. (+1, -0.25)

Eight persons A, B, C, D, E, F, G, and H live in an eight-floor building. Each of them likes a different biscuit viz Parle G, Nimkin, Krackjack, Golden Arcs, Kreams, Festo, Magix, and Top, but not necessarily in the same order. The lowermost floor is numbered 1 and the topmost floor is numbered 8.

Only one person lives between the one who likes Magix and the one who likes Golden Arcs. There is only one floor between the one who likes Krackjack and the one who likes Festo. There are two floors between the one who likes Golden Arcs and H. Neither D nor C like Golden Arcs or Magix. The one who likes Parle G lives on floor no. 1. A lives above H, who does not live on the first floor but likes Nimkin. The one who likes Krackjack lives on the topmost floor. B does not like Krackjack. E lives on the floor number which is between D and A. C live above F and D. There are three floors between the floor on which C lives and the floor on which F lives. A lives on an even-numbered floor and likes Kreams.

Who among the following lives on floor no. 4?

- a. G
- b. The one who likes Top

- c. B
- d. The one who likes Kreams
- e. D

158. Direction: Read the following information carefully and answer the questions given below. (+1, -0.25)

Eight persons A, B, C, D, E, F, G, and H live in an eight-floor building. Each of them likes a different biscuit viz Parle G, Nimkin, Krackjack, Golden Arcs, Kreams, Festo, Magix, and Top, but not necessarily in the same order. The lowermost floor is numbered 1 and the topmost floor is numbered 8.

Only one person lives between the one who likes Magix and the one who likes Golden Arcs. There is only one floor between the one who likes Krackjack and the one who likes Festo. There are two floors between the one who likes Golden Arcs and H. Neither D nor C like Golden Arcs or Magix. The one who likes Parle G lives on floor no. 1. A lives above H, who does not live on the first floor but likes Nimkin. The one who likes Krackjack lives on the topmost floor. B does not like Krackjack. E lives on the floor number which is between D and A. C live above F and D. There are three floors between the floor on which C lives and the floor on which F lives. A lives on an even-numbered floor and likes Kreams.

How many people live between G and the person who likes Nimkin?

- a. Six
- b. Four
- c. Five
- d. Three
- e. Two

159. Directions: In the question below is a passage followed by three courses of action numbered I, II and III. A course of action is a step or administrative decision to be taken for improvement, follow-up or further action in regard to the problem, policy, etc. Considering the information given in the passage to be true, decide which of the suggested courses of action logically follow(s) for pursuing. (+1, -0.25)

Passage: The government has announced a new department to be built in the campus of a college and the site selected for the same turns out to be a swamp. The college authority claims that it cannot provide any other land within the campus since it will affect the green cover and its reputation of maintaining eco-friendly infrastructure will be endangered. The government does not promote this reason and asks the college to provide a suitable land area for the new department.

Courses of action:

- I. The college authority should file a case against the government's enforcement.
 - II. The government should provide the land for the new department outside the campus.
 - III. The college authority should agree with the government's demands without objections.
- a. Only I follows.
 - b. Only II follows.
 - c. Both I and III follow.
 - d. All of them follow.
 - e. None of them follow.

160. Directions: In the question below is a passage followed by two courses of action numbered I and II. A course of action is a step or administrative decision to be taken for improvement, follow-up or further action in regard to the problem, policy, etc. Considering the information given in the passage to be true, decide which of the suggested courses of action logically follow(s) for pursuing. (+1, -0.25)

Passage: The Pakistani terrorists attacked a bus of Indian soldiers who were traveling from Kashmir to a base camp near LOC. Being highly trained and vigilant; the Indian soldiers effectively defended the attack with no casualties on the Indian side. The soldiers however caught 4 of the terrorists alive; while 9 others were killed during the defense.

Courses of action:

I. The caught terrorist should be encountered before they create havoc.

II. The Indian soldiers should be honored and rewarded for their bravery and success.

- a. Only I follows.
- b. Only II follows.
- c. Either I or II follows.
- d. Both I and II follow.
- e. Neither I nor II follows.

161. Following the Supreme Court verdict allowing entry of women in Sabarimala Temple, the Kerala government will reserve 25% seats in buses and make separate toilets for women pilgrims. The existing bathing Ghats for women will be expanded to accommodate more pilgrims. (+1, -0.25)

What can be inferred from the above statement?

I: The Supreme Court verdict has banned the entry of women in Sabarimala Temple.

II: Honoring the Supreme Court verdict, the Kerala government will reserve 25% seats in buses and make separate toilets for women pilgrims.

III: The Kerala government will build new ghats to accommodate more pilgrims.

- a. Only I
- b. Only III
- c. Only II
- d. All of the above
- e. None of the above

162. Saudi Arabia has announced an aid of \$200 million to Yemen to help stabilize the country's economy and increase the value of the Yemeni rial. The Yemeni rial has nearly lost half its value this time amidst the ongoing war. (+1, -0.25)

Which of the following is not in-line with the given statement?

I: The Yemeni rial has nearly tripled its value amidst the ongoing war.

II: Saudi Arabia has announced aid to help stabilize the country's economy.

III: Saudi Arabia has announced an aid to increase the value of the Yemeni rial.

- a. Only I

- b. Only II and III
- c. Only I and II
- d. Only III
- e. All of the above

163. Directions: Read the given passage and the inference given below it, and (+1, -0.25) choose the correct option out of the ones given.

According to a study, a progressively drying climate along with unpredictable weather may have caused the evolution of anatomically modern humans. The sediment cores in the rift valley of East Africa is known for its rich source of human fossils. Reports claimed that the larger brains of anatomically modern humans allowed human ancestors to the rapidly changing climate.

Inference: The larger brains of anatomically modern humans are due to the progressively drying climate along with unpredictable weather.

- a. The inference is 'definitely true' i.e. it properly follows the statement of facts given.
- b. The inference is 'probably true' though not 'definitely false' in the light of facts given.
- c. The data is inadequate i.e. from the facts given you cannot say whether the inference is likely to be true or false.
- d. The inference is 'probably false' though not 'definitely false' in the light of facts given.
- e. The inference is 'definitely false' i.e. if the inference is not simply be drawn from the facts given or it contradicts the given facts.

164. Railways has decided to withdraw its decision to identify transgender passengers as transmale T(M) and transfemale T(F) in the reservation forms. Instead, the form will have the option of 'T' to identify transgender people. This is to avoid the confusion that was created by the current forms among reservation clerks and travel ticket examiners during authentication. (+1, -0.25)

Railways has decided to identify transgender passengers as T in the reservation forms.

- a. The inference is 'definitely true' i.e. it properly follows the statement of facts given.
- b. The inference is 'probably true' though not 'definitely false' in the light of facts given.
- c. The data is inadequate i.e. from the facts given you cannot say whether the inference is likely to be true or false.
- d. The inference is 'probably false' though not 'definitely false' in the light of facts given.
- e. The inference is 'definitely false' i.e. if the inference is not simply be drawn from the facts given or it contradicts the given facts.

165. In each question below is given a statement numbered I, II and III. An assumption is something supposed or taken for granted. You have to consider the following assumption and decide which of the assumption is implicit in the statement. (+1, -0.25)

Statement: An alert motorman averted a major tragedy today when he applied emergency brakes right on time, stopping his train just a few meters away from the spot where part of a road overbridge had collapsed in suburban Andheri. The motorman (driver), Chandrashekhar B Sawant, who was steering the Churchgate-bound 7.06 am suburban

train from Borivli, saw a portion of the road overbridge falling as he was nearing the Andheri station.

Assumptions:

I. The road overbridge, built-in 1971, collapsed near the eastern side of the Andheri railway station and part of it fell on the rail tracks.

II. The driver immediately applied emergency brakes and the train stopped a few meters from the spot where the bridge collapsed.

III. The collapse was accompanied by a big thud sound of the falling debris.

- a. Only I is implicit
- b. All except I, II is implicit
- c. Neither I, II nor III is implicit
- d. Only II is implicit
- e. Both III and II are implicit

166. If it is possible to make only one six-letter meaningful English word with the 2nd, 3rd, and 6th letter of the word STATION and 1st, 3rd, and 5th letter of the word TANGENT, which of the following will be the third letter from the left of that word? If no such word can be made give 'X' as the answer and if more than one such word can be made give 'Y' as the answer. (+1, -0.25)

- a. T
- b. A
- c. Y

d. O

e. X

-
167. The consonants in the word 'HOUSEWARMING' are changed to the respective previous alphabets in the English alphabetical series and the vowels are changed to the respective alphabets succeeding them in the series. Any alphabet which is repeated in the word thus formed is eliminated. How many pairs of letters in the word formed after arranging the remaining letters in alphabetical order have as many letters between them in the word (both forward and backward direction) as they have between them in the English alphabetical series? (+1, -0.25)

a. One

b. Two

c. Three

d. Four

e. More than four

-
168. Directions: Study the following information and answer the below questions. (+1, -0.25)

Five teachers teach different subjects viz. Hindi, English, Mathematics, Geography, History, but not necessarily in the same order, in the different time slots of 1 hour from 10 am to 3 pm. The teachers are Jyoti, Kusum, Rajni, Neha, and Priyanka but not necessarily in the same order. Each teacher teaches different subjects. No teacher teaches more than one subject.

Neha does not take the class of Geography. The one who takes the class of Hindi takes the last lecture. Neither Rajni nor Priyanka takes the class

of Hindi. Kusum takes the class of Geography but after Neha. Mathematics class is scheduled before English but not in the slot of 11-12 pm. Kusum takes her class exactly between the class taken by Jyoti and class of English. Only one class is scheduled between the Class of Mathematics and the Class of English. Also, only one is class is scheduled between Class of History and class of Geography. Three classes are scheduled between Class of Jyoti and Class of Rajni who does not take the class of Hindi. Priyanka does not take the class of History.

Which lecture is scheduled between the lecture of Hindi and Lecture of English?

- a. Mathematics
- b. Geography
- c. History
- d. Either 1 or 2
- e. None of these

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169. Directions: Study the following information and answer the below questions. (+1, -0.25)

Five teachers teach different subjects viz. Hindi, English, Mathematics, Geography, History, but not necessarily in the same order, in the different time slots of 1 hour from 10 am to 3 pm. The teachers are Jyoti, Kusum, Rajni, Neha, and Priyanka but not necessarily in the same order. Each teacher teaches different subjects. No teacher teaches more than one subject.

Neha does not take the class of Geography. The one who takes the class of Hindi takes the last lecture. Neither Rajni nor Priyanka takes the class of Hindi. Kusum takes the class of Geography but after Neha.

Mathematics class is scheduled before English but not in the slot of 11-12 pm. Kusum takes her class exactly between the class taken by Jyoti and class of English. Only one class is scheduled between the Class of Mathematics and the Class of English. Also, only one is class is scheduled between Class of History and class of Geography. Three classes are scheduled between Class of Jyoti and Class of Rajni who does not take the class of Hindi. Priyanka does not take the class of History.

Who takes the class which is scheduled immediately after the class of Mathematics?

- a. Jyoti
- b. Rajni
- c. Neha
- d. Priyanka
- e. None of these

170. **Directions:** Study the following information and answer the below questions. (+1, -0.25)

Five teachers teach different subjects viz. Hindi, English, Mathematics, Geography, History, but not necessarily in the same order, in the different time slots of 1 hour from 10 am to 3 pm. The teachers are Jyoti, Kusum, Rajni, Neha, and Priyanka but not necessarily in the same order. Each teacher teaches different subjects. No teacher teaches more than one subject.

Neha does not take the class of Geography. The one who takes the class of Hindi takes the last lecture. Neither Rajni nor Priyanka takes the class of Hindi. Kusum takes the class of Geography but after Neha.

Mathematics class is scheduled before English but not in the slot of 11-12

pm. Kusum takes her class exactly between the class taken by Jyoti and class of English. Only one class is scheduled between the Class of Mathematics and the Class of English. Also, only one is class is scheduled between Class of History and class of Geography. Three classes are scheduled between Class of Jyoti and Class of Rajni who does not take the class of Hindi. Priyanka does not take the class of History.

How many lectures are scheduled between the class of Geography and class of Mathematics?

- a. 1
- b. 2
- c. 3
- d. 0
- e. 4

171. **Directions:** Study the following information carefully and answer the questions that follow:

(+2, -0.5)

Nine members P, Q, R, S, T, U, V, W and X of a family are sitting in a row facing north. All of them bought cars in different months viz. June, August and December and in different years viz. 1992, 1993, 1994 but not necessarily in the same order. In the family which has more males than females, no two persons bought cars in the same month of a given year.

P bought his car in the month which has less than 31 days but before V who bought his car in the same month in which P bought his car. Q is the grandson of W and is sitting at one of the ends in the row facing north. R is the neighbour of V and she is the only daughter of P. V, who is sitting fourth to the left of Q is the only unmarried female in the family. W and Q bought their cars in the same month but not in the year 1992. Only four persons are sitting between X and W who is the grandmother of V. S, the

only son of W is married to the younger sister of T and has only one child. Neither W nor S bought a car in the month of August. X is the immediate neighbour of Q who is not a son of R. The number of days in the month in which R bought a car is a prime number. X is married to R and bought a car after her. The year in which R bought a car is not an even number. T and R are immediate neighbours of each other but neither of them is sitting at the extreme ends. P is the oldest member in the family and only one person sits at the left of U. T bought a car before U and both of them bought cars in the same month. S bought a car before X but not in the same month in which P bought his car. Both Q and U bought their car in the same year. R and S are siblings. W and S are not neighbours.

Who bought car in the same month as X and how is that person related to X?

- a. R, Husband
- b. Q, Son
- c. Q, Niece
- d. V, Daughter
- e. None of these

172. **Directions:** Study the following information carefully and answer the questions that follow:

(+2, -0.5)

Nine members P, Q, R, S, T, U, V, W and X of a family are sitting in a row facing north. All of them bought cars in different months viz. June, August and December and in different years viz. 1992, 1993, 1994 but not necessarily in the same order. In the family which has more males than females, no two persons bought cars in the same month of a given year.

P bought his car in the month which has less than 31 days but before V who bought his car in the same month in which P bought his car. Q is the

grandson of W and is sitting at one of the ends in the row facing north. R is the neighbour of V and she is the only daughter of P. V, who is sitting fourth to the left of Q is the only unmarried female in the family. W and Q bought their cars in the same month but not in the year 1992. Only four persons are sitting between X and W who is the grandmother of V. S, the only son of W is married to the younger sister of T and has only one child. Neither W nor S bought a car in the month of August. X is the immediate neighbour of Q who is not a son of R. The number of days in the month in which R bought a car is a prime number. X is married to R and bought a car after her. The year in which R bought a car is not an even number. T and R are immediate neighbours of each other but neither of them is sitting at the extreme ends. P is the oldest member in the family and only one person sits at the left of U. T bought a car before U and both of them bought cars in the same month. S bought a car before X but not in the same month in which P bought his car. Both Q and U bought their car in the same year. R and S are siblings. W and S are not neighbours.

How many persons are sitting between R and S and in which month and year did S buy his car?

- a. 4, June, 1992
- b. 3, August, 1993
- c. 2, August, 1992
- d. 4, December, 1992
- e. None of these

173. **Directions:** Study the following information carefully and answer the questions that follow:

(+2, -0.5)

Nine members P, Q, R, S, T, U, V, W and X of a family are sitting in a row facing north. All of them bought cars in different months viz. June, August and December and in different years viz. 1992, 1993, 1994 but not

necessarily in the same order. In the family which has more males than females, no two persons bought cars in the same month of a given year.

P bought his car in the month which has less than 31 days but before V who bought his car in the same month in which P bought his car. Q is the grandson of W and is sitting at one of the ends in the row facing north. R is the neighbour of V and she is the only daughter of P. V, who is sitting fourth to the left of Q is the only unmarried female in the family. W and Q bought their cars in the same month but not in the year 1992. Only four persons are sitting between X and W who is the grandmother of V. S, the only son of W is married to the younger sister of T and has only one child. Neither W nor S bought a car in the month of August. X is the immediate neighbour of Q who is not a son of R. The number of days in the month in which R bought a car is a prime number. X is married to R and bought a car after her. The year in which R bought a car is not an even number. T and R are immediate neighbours of each other but neither of them is sitting at the extreme ends. P is the oldest member in the family and only one person sits at the left of U. T bought a car before U and both of them bought cars in the same month. S bought a car before X but not in the same month in which P bought his car. Both Q and U bought their car in the same year. R and S are siblings. W and S are not neighbours.

In which year did U buy his car and who is sitting third to the right of U?

- a. 1992, V
- b. 1993, S
- c. 1992, T
- d. 1994, V
- e. None of these

174. **Directions:** Study the following information carefully and answer the questions that follow:

(+2, -0.5)

Nine members P, Q, R, S, T, U, V, W and X of a family are sitting in a row facing north. All of them bought cars in different months viz. June, August and December and in different years viz. 1992, 1993, 1994 but not necessarily in the same order. In the family which has more males than females, no two persons bought cars in the same month of a given year.

P bought his car in the month which has less than 31 days but before V who bought his car in the same month in which P bought his car. Q is the grandson of W and is sitting at one of the ends in the row facing north. R is the neighbour of V and she is the only daughter of P. V, who is sitting fourth to the left of Q is the only unmarried female in the family. W and Q bought their cars in the same month but not in the year 1992. Only four persons are sitting between X and W who is the grandmother of V. S, the only son of W is married to the younger sister of T and has only one child. Neither W nor S bought a car in the month of August. X is the immediate neighbour of Q who is not a son of R. The number of days in the month in which R bought a car is a prime number. X is married to R and bought a car after her. The year in which R bought a car is not an even number. T and R are immediate neighbours of each other but neither of them is sitting at the extreme ends. P is the oldest member in the family and only one person sits at the left of U. T bought a car before U and both of them bought cars in the same month. S bought a car before X but not in the same month in which P bought his car. Both Q and U bought their car in the same year. R and S are siblings. W and S are not neighbours.

How is V related to S and how many persons are sitting between them?

- a. Daughter, 2
- b. Son, 3
- c. Niece, 3
- d. Cousin, 3
- e. None of these

175. Directions: Study the following information carefully and answer the questions that follow:

(+2, -0.5)

Nine members P, Q, R, S, T, U, V, W and X of a family are sitting in a row facing north. All of them bought cars in different months viz. June, August and December and in different years viz. 1992, 1993, 1994 but not necessarily in the same order. In the family which has more males than females, no two persons bought cars in the same month of a given year.

P bought his car in the month which has less than 31 days but before V who bought his car in the same month in which P bought his car. Q is the grandson of W and is sitting at one of the ends in the row facing north. R is the neighbour of V and she is the only daughter of P. V, who is sitting fourth to the left of Q is the only unmarried female in the family. W and Q bought their cars in the same month but not in the year 1992. Only four persons are sitting between X and W who is the grandmother of V. S, the only son of W is married to the younger sister of T and has only one child. Neither W nor S bought a car in the month of August. X is the immediate neighbour of Q who is not a son of R. The number of days in the month in which R bought a car is a prime number. X is married to R and bought a car after her. The year in which R bought a car is not an even number. T and R are immediate neighbours of each other but neither of them is sitting at the extreme ends. P is the oldest member in the family and only one person sits at the left of U. T bought a car before U and both of them bought cars in the same month. S bought a car before X but not in the same month in which P bought his car. Both Q and U bought their car in the same year. R and S are siblings. W and S are not neighbours.

How is U related to P and how many persons are sitting between them?

- a. Son, 1
- b. Daughter, 2
- c. Son-in-law, 1

d. Daughter-in-law, 1

e. None of these

176. Directions: Study the following information and answer the questions below. (+1, -0.25)

Eight boxes are placed one above the other and they are named by A, B, C, D, E, F, G, and H but not necessarily in the same order. They contain different numbers of pencils each number being a multiple of 10. The box which has the highest number of pencils has less than 100 pencils in the box.

Only two boxes are placed between box C and Box B which has pencils whose count is a multiple of 16. Only one box is placed between Box G and Box B. Box F is an immediate neighbor of Box B which is placed somewhere above G. Box E is placed two places above Box A which has 40 pencils. Box A is exactly placed between Box C and Box D which has the lowest number of pencils. Only three boxes are placed between Box H and Box D which is placed immediately above Box B. Only Box G and Box H have pencils each of whose count is a multiple of 3 and H has more pencils than G. Box C has the second largest number of pencils. Only four boxes are placed between box C and Box G. Box G is placed somewhere below Box C. Box F has more pencils than Box E. Box E is not placed at the top.

Which box is placed immediately above Box E and how many pencils are there in that box?

a. H, 50

b. C, 20

c. D, 10

d. H, 60

e. None of these

177. **Directions:** Study the following information and answer the questions below. (+1, -0.25)

Eight boxes are placed one above the other and they are named by A, B, C, D, E, F, G, and H but not necessarily in the same order. They contain different numbers of pencils each number being a multiple of 10. The box which has the highest number of pencils has less than 100 pencils in the box.

Only two boxes are placed between box C and Box B which has pencils whose count is a multiple of 16. Only one box is placed between Box G and Box B. Box F is an immediate neighbor of Box B which is placed somewhere above G. Box E is placed two places above Box A which has 40 pencils. Box A is exactly placed between Box C and Box D which has the lowest number of pencils. Only three boxes are placed between Box H and Box D which is placed immediately above Box B. Only Box G and Box H have pencils each of whose count is a multiple of 3 and H has more pencils than G. Box C has the second largest number of pencils. Only four boxes are placed between box C and Box G. Box G is placed somewhere below Box C. Box F has more pencils than Box E. Box E is not placed at the top.

How many boxes are placed between Box F and Box D?

- a. 1
- b. 2
- c. 3
- d. 4
- e. 5

178. Directions: Study the following information and answer the questions below.

(+1, -0.25)

Eight boxes are placed one above the other and they are named by A, B, C, D, E, F, G, and H but not necessarily in the same order. They contain different numbers of pencils each number being a multiple of 10. The box which has the highest number of pencils has less than 100 pencils in the box.

Only two boxes are placed between box C and Box B which has pencils whose count is a multiple of 16. Only one box is placed between Box G and Box B. Box F is an immediate neighbor of Box B which is placed somewhere above G. Box E is placed two places above Box A which has 40 pencils. Box A is exactly placed between Box C and Box D which has the lowest number of pencils. Only three boxes are placed between Box H and Box D which is placed immediately above Box B. Only Box G and Box H have pencils each of whose count is a multiple of 3 and H has more pencils than G. Box C has the second largest number of pencils. Only four boxes are placed between box C and Box G. Box G is placed somewhere below Box C. Box F has more pencils than Box E. Box E is not placed at the top.

Which box has the fourth largest number of pencils?

- a. H
- b. A
- c. G
- d. F
- e. None of these

179. Directions: Study the following information and answer the questions below.

(+1, -0.25)

Eight boxes are placed one above the other and they are named by A, B, C, D, E, F, G, and H but not necessarily in the same order. They contain different numbers of pencils each number being a multiple of 10. The box which has the highest number of pencils has less than 100 pencils in the box.

Only two boxes are placed between box C and Box B which has pencils whose count is a multiple of 16. Only one box is placed between Box G and Box B. Box F is an immediate neighbor of Box B which is placed somewhere above G. Box E is placed two places above Box A which has 40 pencils. Box A is exactly placed between Box C and Box D which has the lowest number of pencils. Only three boxes are placed between Box H and Box D which is placed immediately above Box B. Only Box G and Box H have pencils each of whose count is a multiple of 3 and H has more pencils than G. Box C has the second largest number of pencils. Only four boxes are placed between box C and Box G. Box G is placed somewhere below Box C. Box F has more pencils than Box E. Box E is not placed at the top.

What is the total number of pencils in the boxes, each of whose names is a vowel according to the English alphabetical series?

- a. 40
- b. 50
- c. 60
- d. 80
- e. 90

180. Directions: Study the following information and answer the questions below.

(+1, -0.25)

Eight boxes are placed one above the other and they are named by A, B, C, D, E, F, G, and H but not necessarily in the same order. They contain different numbers of pencils each number being a multiple of 10. The box which has the highest number of pencils has less than 100 pencils in the box.

Only two boxes are placed between box C and Box B which has pencils whose count is a multiple of 16. Only one box is placed between Box G and Box B. Box F is an immediate neighbor of Box B which is placed somewhere above G. Box E is placed two places above Box A which has 40 pencils. Box A is exactly placed between Box C and Box D which has the lowest number of pencils. Only three boxes are placed between Box H and Box D which is placed immediately above Box B. Only Box G and Box H have pencils each of whose count is a multiple of 3 and H has more pencils than G. Box C has the second largest number of pencils. Only four boxes are placed between box C and Box G. Box G is placed somewhere below Box C. Box F has more pencils than Box E. Box E is not placed at the top.

How many boxes are placed between the box which has the most number of pencils and the box which has the lowest number of pencils?

- a. 2
- b. 3
- c. 1
- d. 4
- e. None of these

181. Directions: Study the given information and answer the following questions:

(+1, -0.25)

3 * D F 4 & N A 1 Y 6 8 R @ E 2 % T U \$ I P O W ! J

STEP-I- The numbers which are immediately preceded by a letter and immediately followed by a symbol are arranged at the end of the series in ascending order. (They are arranged just after J)

STEP-II- The letters which are immediately preceded by another letter and immediately followed by a symbol are arranged between ! and J in alphabetical order.

STEP-III- The numbers which are immediately followed by a letter interchange their positions with the elements just after them.

(STEP II is applied after STEP I and STEP III is applied after STEP II)

How many letters are there between 2 and 8 in the step-I of the series?

- a. Eight
- b. Six
- c. Four
- d. Five
- e. More than eight

182. Directions: Study the given information and answer the following questions:

(+1, -0.25)

3 * D F 4 & N A 1 Y 6 8 R @ E 2 % T U \$ I P O W ! J

STEP-I- The numbers which are immediately preceded by a letter and immediately followed by a symbol are arranged at the end of the series

in ascending order. (They are arranged just after J)

STEP-II- The letters which are immediately preceded by another letter and immediately followed by a symbol are arranged between ! and J in alphabetical order.

STEP-III- The numbers which are immediately followed by a letter interchange their positions with the elements just after them.

(STEP II is applied after STEP I and STEP III is applied after STEP II)

Which among the following are the elements of the series which are at the second position from the left end and the fifth position from the right end in step-III respectively?

- a. 3J
- b. *U
- c. NW
- d. *J
- e. &U

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183. Directions: Study the given information and answer the following questions:

(+1, -0.25)

3 * D F 4 & N A 1 Y 6 8 R @ E 2 % T U \$ I P O W ! J

STEP-I- The numbers which are immediately preceded by a letter and immediately followed by a symbol are arranged at the end of the series in ascending order. (They are arranged just after J)

STEP-II- The letters which are immediately preceded by another letter and immediately followed by a symbol are arranged between ! and J in alphabetical order.

STEP-III- The numbers which are immediately followed by a letter interchange their positions with the elements just after them.

(STEP II is applied after STEP I and STEP III is applied after STEP II)

How many symbols are immediately preceded by numbers in step-III?

- a. One
- b. Three
- c. Two
- d. Five
- e. Four

184. **Directions: Study the given information and answer the following questions:** (+1, -0.25)

3 * D F 4 & N A 1 Y 6 8 R @ E 2 % T U \$ I P O W ! J

STEP-I- The numbers which are immediately preceded by a letter and immediately followed by a symbol are arranged at the end of the series in ascending order. (They are arranged just after J)

STEP-II- The letters which are immediately preceded by another letter and immediately followed by a symbol are arranged between ! and J in alphabetical order.

STEP-III- The numbers which are immediately followed by a letter interchange their positions with the elements just after them.

(STEP II is applied after STEP I and STEP III is applied after STEP II)

Which element is 13th from the left in the penultimate step?

- a. 6

b. 8

c. R

d. E

e. @

185. Directions: Study the given information and answer the following questions:

(+1, -0.25)

3 * D F 4 & N A 1 Y 6 8 R @ E 2 % T U \$ I P O W ! J

STEP-I- The numbers which are immediately preceded by a letter and immediately followed by a symbol are arranged at the end of the series in ascending order. (They are arranged just after J)

STEP-II- The letters which are immediately preceded by another letter and immediately followed by a symbol are arranged between ! and J in alphabetical order.

STEP-III- The numbers which are immediately followed by a letter interchange their positions with the elements just after them.

(STEP II is applied after STEP I and STEP III is applied after STEP II)

What is the position of 8 in the step-III from the right end?

a. 10th

b. 16th

c. 14th

d. 12th

e. 15th

186. Directions: Study the given information and answer the following questions.

(+1, -0.25)

A number/symbol arrangement machine, when given a particular input, rearranges it following a particular rule. The following is the illustration of the input and the steps of arrangement.

Input: @ #2 5 \$ 6 8 ? 7 ! & > 9 4

Step I: 2 @ # \$ 6 8 ? 7 ! & > 9 4 5

Step II: 2 4 @ # \$ 6 8 ? ! & > 9 5 7

Step III: 2 4 6 @ # \$ 8 ? ! & > 5 7 9

Step IV: 2 4 6 8 @ # \$? ! & > 5 7 9

Step V: 3 5 7 9 @ # \$? ! & > 4 6 8

Step VI: 3 4 5 7 9 @ # \$? ! & > 6 8

Step VII: 3 4 5 6 7 9 @ # \$? ! & > 8

Step VIII: 3 4 5 6 7 8 9 @ # \$? ! & >

And Step VIII is the last step for this input. As per rules followed in the above steps, find out in each of the questions the appropriate step for the given input.

Input: * 5 \$ 9 / 8 4 © 3 + 2 = 6 %

How many steps are required to complete the input arrangement?

- a. 5
- b. 6
- c. 7
- d. 8

e. Cannot be determined

187. Directions: Study the given information and answer the following questions.

(+1, -0.25)

A number/symbol arrangement machine, when given a particular input, rearranges it following a particular rule. The following is the illustration of the input and the steps of arrangement.

Input: @ #2 5 \$ 6 8 ? 7 ! & > 9 4

Step I: 2 @ # \$ 6 8 ? 7 ! & > 9 4 5

Step II: 2 4 @ # \$ 6 8 ? ! & > 9 5 7

Step III: 2 4 6 @ # \$ 8 ? ! & > 5 7 9

Step IV: 2 4 6 8 @ # \$? ! & > 5 7 9

Step V: 3 5 7 9 @ # \$? ! & > 4 6 8

Step VI: 3 4 5 7 9 @ # \$? ! & > 6 8

Step VII: 3 4 5 6 7 9 @ # \$? ! & > 8

Step VIII: 3 4 5 6 7 8 9 @ # \$? ! & >

And Step VIII is the last step for this input. As per rules followed in the above steps, find out in each of the questions the appropriate step for the given input.

Input: * 5 \$ 9 / 8 4 © 3 + 2 = 6 %

What will be the last step for the given input?

a. 2 3 4 5 7 8 9 * \$ / © + = %

b. 2 3 5 6 7 8 9 * \$ / © + = %

c. 2 3 6 4 5 7 9 * \$ / © + = %

d. 2 4 5 7 3 8 9 * \$ / © + = %

e. None of these

188. Directions: Study the given information and answer the following questions.

(+1, -0.25)

A number/symbol arrangement machine, when given a particular input, rearranges it following a particular rule. The following is the illustration of the input and the steps of arrangement.

Input: @ # 2 5 \$ 6 8 ? 7 ! & > 9 4

Step I: 2 @ # \$ 6 8 ? 7 ! & > 9 4 5

Step II: 2 4 @ # \$ 6 8 ? ! & > 9 5 7

Step III: 2 4 6 @ # \$ 8 ? ! & > 5 7 9

Step IV: 2 4 6 8 @ # \$? ! & > 5 7 9

Step V: 3 5 7 9 @ # \$? ! & > 4 6 8

Step VI: 3 4 5 7 9 @ # \$? ! & > 6 8

Step VII: 3 4 5 6 7 9 @ # \$? ! & > 8

Step VIII: 3 4 5 6 7 8 9 @ # \$? ! & >

And Step VIII is the last step for this input. As per rules followed in the above steps, find out in each of the questions the appropriate step for the given input.

Input: * 5 \$ 9 / 8 4 © 3 + 2 = 6 %

What is the position of % in the 5th step?

a. Fifth from the left

b. Sixth from the left

- c. Fourth from the right
- d. Eleventh from the right
- e. None of these

189. Directions: Study the given information and answer the following questions. (+1, -0.25)

A number/symbol arrangement machine, when given a particular input, rearranges it following a particular rule. The following is the illustration of the input and the steps of arrangement.

Input: @ #2 5 \$ 6 8 ? 7 ! & > 9 4

Step I: 2 @ # \$ 6 8 ? 7 ! & > 9 4 5

Step II: 2 4 @ # \$ 6 8 ? ! & > 9 5 7

Step III: 2 4 6 @ # \$ 8 ? ! & > 5 7 9

Step IV: 2 4 6 8 @ # \$? ! & > 5 7 9

Step V: 3 5 7 9 @ # \$? ! & > 4 6 8

Step VI: 3 4 5 7 9 @ # \$? ! & > 6 8

Step VII: 3 4 5 6 7 9 @ # \$? ! & > 8

Step VIII: 3 4 5 6 7 8 9 @ # \$? ! & >

And Step VIII is the last step for this input. As per rules followed in the above steps, find out in each of the questions the appropriate step for the given input.

Input: * 5 \$ 9 / 8 4 © 3 + 2 = 6 %

In the penultimate step, which of the following would be at 6th position from the right?

a. /

b. ©

c. +

d. =

e. %

190. **Directions:** Study the given information and answer the following questions. (+1, -0.25)

A number/symbol arrangement machine, when given a particular input, rearranges it following a particular rule. The following is the illustration of the input and the steps of arrangement.

Input: @ #2 5 \$ 6 8 ? 7 ! & > 9 4

Step I: 2 @ # \$ 6 8 ? 7 ! & > 9 4 5

Step II: 2 4 @ # \$ 6 8 ? ! & > 9 5 7

Step III: 2 4 6 @ # \$ 8 ? ! & > 5 7 9

Step IV: 2 4 6 8 @ # \$? ! & > 5 7 9

Step V: 3 5 7 9 @ # \$? ! & > 4 6 8

Step VI: 3 4 5 7 9 @ # \$? ! & > 6 8

Step VII: 3 4 5 6 7 9 @ # \$? ! & > 8

Step VIII: 3 4 5 6 7 8 9 @ # \$? ! & >

And Step VIII is the last step for this input. As per rules followed in the above steps, find out in each of the questions the appropriate step for the given input.

Input: * 5 \$ 9 / 8 4 © 3 + 2 = 6 %

What is the position of 7 in the 6th step from left?

- a.** Fifth
- b.** Sixth
- c.** Fourth
- d.** Third
- e.** Second

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Answers

1. Answer: b

Explanation:

- Kane Williamson, New Zealand's captain was awarded with the **Man of the Tournament** for the ICC Men's Cricket World Cup 2019.
- ICC Men's Cricket World Cup 2019 was hosted by England and Wales, the UK from 30 May–14 July 2019.
- The final match was held between **New Zealand and England** at **Lords Cricket Stadium** in UK **and England won the match in the final super over.**
- **Ben Stokes** was awarded the **Man of the Match** World Cup Final award for the ICC Men's Cricket World Cup 2019.
- India will host the World Cup 2023 World Cup.

2. Answer: e

Explanation:

- The RBI formed a task force to suggest policy and regulatory interventions required for the development of the secondary market in corporate loans, including loan transaction platform for stressed assets.
- The task force will be headed by Canara Bank Chairman T N Manoharan.
- Secondary loan market in India is largely restricted to asset reconstruction companies.
- Sunil Mehta committee is related to NPA (stressed loan resolution) , Harshvardhan committee related housing finance securitisation

3. Answer: b

Explanation:

- The Reserve Bank of India (RBI), in consultation with the government of India, has set up a six-member committee to review the 'Economic Capital Framework' of the central bank.
 - Former RBI Governor Bimal Jalan is the committee's Chairman.
 - The other members are Economic Affairs Secretary Subash Chandra Garg, RBI Deputy Governor N.S. Vishwanathan and two board members of the RBI.
-

4. Answer: a

Explanation:

- On 19 February 2019, India's boxing Chief Ajay Singh was elected as President of the Foundation Board for Better Boxing governing body of the sport, AIBA.
 - He will have a tenure of four years.
 - Foundation for Better Boxing was constituted by the AIBA to address future development of the sport globally.
 - Mohamed Moustahsane is the present President of AIBA.
-

5. Answer: c

Explanation:

- The Prime Minister unveiled the statue of former Prime Minister Sh. Lal Bahadur Shastri at the Lal Bahadur Shastri International Airport in Varanasi.
 - He then launched the tree-plantation drive at Anand Kanan Vatika in Varanasi.
 - He also visited the virtual museum at Man Mahal.
 - The museum is a cultural landmark in the city of Varanasi, showcasing the various aspects of our cultural heritage.
-

6. Answer: c

Explanation:

- Anshula Kant, Managing Director of the State Bank Of India, has been appointed as the Managing Director and the Chief Financial Officer of the World Bank.
 - She will be responsible for financial and risk management of the World Bank Group.
 - Anshula brings more than 35 years of expertise in finance, banking, and innovative use of technology through her work as CFO of the State Bank of India.
-

7. Answer: d

Explanation:

- Dutee Chand clinched a gold medal in the World Universiade in 100 m dash event at Napoli in Italy.
 - With this, she became the first Indian woman track and field athlete to win Gold.
 - She took 11.32 seconds to finish the race.
 - Dutee has now become the second Indian sprinter to win a gold in a global event after Hima Das.
-

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8. Answer: c

Explanation:

- Shri Arjun Munda assumed charge as the Union Minister of Tribal Affairs.
 - Smt. Renuka Singh, the new Minister of State for Tribal Affairs also assumed charge.
 - He served as the Chief Minister of Jharkhand from 2003–2006. He was leader of opposition in Jharkhand from 2006–2008. He was elected to 15th Lok Sabha in 2009 but resigned on 26 February, 2011.
 - He is from Khunti Constituency from Jharkhand.
-

9. Answer: b

Explanation:

The Serious Fraud Investigation Office (SFIO) is a statutory corporate fraud investigating agency in India. Initially, it was set up by a resolution adopted by the Government of India on 2nd July 2003 and carried out investigations within the existing legal framework under section 235 to 247 of the erstwhile Companies Act, 1956. Later, Section 211 of the Companies Act, 2013, accorded the statutory status to the Serious Fraud Investigation Office (SFIO). It is under the jurisdiction of the Ministry of Corporate Affairs, Government of India. The SFIO is involved in major fraud probes and is the coordinating agency with the Income Tax Department and the Central Bureau of Investigation.

10. Answer: b

Explanation:

- BCCI has formally appointed Rahul Dravid as the Indian National Cricket Academy's Head of Cricket.
- Dravid will oversee all cricket related activities at NCA.
- The former cricketer is also the head coach of India's under-19 and India A team.
- He has helped in grooming young talent such as Rishabh Pant, Prithvi Shaw.

11. Answer: a

Explanation:

- The University Grants Commission (UGC) has approved a new initiative – Scheme for Trans-disciplinary Research for India's Developing Economy (STRIDE).

- It is to boost research culture in the country.
 - STRIDE will provide support to research projects that are socially relevant, locally need-based, nationally important and globally significant.
-

12. Answer: d

Explanation:

- India ranked **130th** out of 189 countries, in the **2018 Human Development Index**.
 - The Human Development Index ranking is released by the **United Nations Development Programme (UNDP)**.
 - India climbed one spot to secure **130th** rank this year. Last year it was ranked **131st**.
 - **Norway** secured the top position in the index.
-

13. Answer: b

Explanation:

- **Russia** successfully launched Soyuz-2.1 a carrier rocket with a hydrometeorological satellite and 32 small satellites.
 - The satellite will provide images of clouds, the surface of the Earth, ice and snow covers in the visible, infrared and microwave ranges.
 - The ride-share mission lifted off from the Vostochny Cosmodrome in eastern Russia.
 - It can also obtain data on the temperature of the sea surface, the state of the ozone layer as well as determine the level of humidity, which will help improve the accuracy of meteorological forecasts.
-

14. Answer: d

Explanation:

The correct answer is IndusInd Bank.

- **National Company Law Tribunal (NCLT)** approved the merger of **IndusInd Bank** with **Bharat Financial Inclusion (BFIL)**.
- The merger will be completed within 2-4 weeks.
- Post-merger, **BFIL will become a subsidiary** of the Bank.
- **Bharat Financial Inclusion Limited BFIL is a non-banking finance company**, licensed by the Reserve Bank of India.
- The **Central Government** has constituted **National Company Law Tribunal (NCLT)** under section 408 of the Companies Act, 2013 (18 of 2013) w.e.f. 01st June 2016.
- In the first phase, the Ministry of Corporate Affairs has set up **eleven Benches**, **one Principal Bench at New Delhi**, and ten Benches at **New Delhi, Ahmadabad, Allahabad, Bengaluru, Chandigarh, Chennai, Guwahati, Hyderabad, Kolkata, and Mumbai**.
- These Benches will be **headed by the President and 16 Judicial Members and 09 Technical members** at different locations.

15. Answer: b

Explanation:

- Veteran director and actor **G Vijaya Nirmala** passed away in June 2019.
- She directed 44 films in Telugu. In 2002, she entered the Guinness Book of Records as the female director of the most number of films.
- She made her debut at the age of seven as a child artiste with a Tamil movie **Machcha Rekhai (1950)**.

16. Answer: d

Explanation:

Hanoi is the capital of Vietnam and the country's second largest city. The city lies on the right bank of the Red River. Hanoi is 1,760 km (1,090 mi) north of Ho Chi Minh City and 120 km (75 mi) west of Hai Phong city.

17. Answer: c**Explanation:**

The International Day of Charity is observed annually on 5 September. It was declared by the United Nations General Assembly in 2012. The prime purpose of the International Day of Charity is to raise awareness and provide a common platform for charity related activities all over the world for individuals, charitable, philanthropic, and volunteer organizations.

18. Answer: c**Explanation:**

- High Level Advisory Group (HLAG) headed by Dr. Surjit S. Bhalla has been constituted by the Department of Commerce.
 - The HLAG will look into ways for boosting India's share and importance in global merchandise and services trade.
 - The Committee has recommended 'Elephant Bonds' as a specialised security product providing funds towards Long Term Infrastructure.
-

19. Answer: b**Explanation:**

Former Union Minister of Civil Aviation P Ashok Gajapathi Raju inaugurated the country's first Aviation Multi Skill Development Centre at Chandigarh Airport's old terminal. The centre, which is a CSR initiative of Airports Authority of India (AAI), will initially train 2,360 students free of cost in three years. It will train about 2,400 youths in eight aviation job roles over the next three years.

20. Answer: b

Explanation:

- According to the **Union Budget 2019-20**, the **direct tax** for the companies with an annual turnover of up to Rs. 400 crore will be **25%**.
This move will cover **99.3%** of the companies and only **0.7%** of companies will remain outside this rate.
- For the companies with an annual turnover of **more than Rs. 400 crore**, the tax rate will be 30%.
- **Union Budget 2019-20** was presented by the **first full-time finance minister** of the country- **Nirmala Sitharaman**.
- **Chairman of Central Board of Direct Taxes** -Nitin Gupta (2022)
- HQ CBDT-New Delhi

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21. Answer: a

Explanation:

- The Union Minister for Finance and Corporate Affairs **Smt. Nirmala Sitharaman** presented the Union Budget 2019-20 before the Parliament.
- The TDS will be **2%** on cash withdrawal exceeding Rs. 1 crore in a year from a bank account as per Union Budget 2019-20.
- It is to discourage the practice of making business payments in cash.
- TDS - **Tax Deducted at Source**.
- TDS is to collect tax from the very source of income.

- The person (deductor) who is to make payment of specified nature to other person (deductee) deducts tax at source and remit the same into the account of the Central Government.
-

22. Answer: c

Explanation:

- The full form of the abbreviation FPI is **Foreign Portfolio Investment**.
 - FPI consists of **financial assets and securities passively held by foreign investors**.
 - It is **relatively liquid** depending on the volatility of the market and **does not provide the investor with direct ownership of financial assets** and is relatively liquid depending on the volatility of the market.
-

23. Answer: a

Explanation:

- Odisha is all set to organise the 21st Commonwealth Table Tennis Championship at Jawaharlal Indoor Stadium in Cuttack from July 17 to 22, 2019.
 - Odisha TT team is ranked 10th in the country and the championship.
 - It is for the seventh time that India will host the event and for the first time in Odisha.
-

24. Answer: b

Explanation:

- Kerala became the first state to tap into masala bond market by listing the Kerala Infrastructure Investment Fund Board (KIIFB)'s masala bond in LSE's

International Securities Market (ISM).

- The masala bond has tenor of 5-year and a 9.723% coupon.
- The main objective of this initiative was to tap masala bond market and to rebuild the infrastructure in Kerala from the proceeds of masala bond.

25. Answer: d

Explanation:

World photography day is observed annually on August 19 to inspire photographers across the planet to share a single photo with the world. First World Photo Day was celebrated in 2010 with 250 images submitted reaching 20,000 people. According to Facebook data, India figures at 4th spot among top 10 countries that post most photos on FB and 5th spot among the same category for Messenger app.

26. Answer: e

Explanation:

Male is the capital and most populous city in the Republic of Maldives. Administratively, the city consists of a central island, an airport island, and two other islands governed by the Malé City Council.

27. Answer: b

Explanation:

- Union Ministers, DV Sadananda Gowda and Narendra Singh Tomar were assigned portfolios of the Ministries of Agriculture and Farmers Welfare; Minister of Rural Development; and Minister of Panchayati Raj.
- Constituency : North Bengaluru, Karnataka

★ Additional Information

- Mansukh Mandaviya was appointed as the new union health minister in 2021.
- Along with the crucial Ministry of Health and Family Welfare, he has also been given the charge of the Ministry of Chemicals and Fertilizers in the Modi 2.0 cabinet.
- Mansukh Mandaviya succeeds Dr. Harsh Vardhan.
- Earlier he was holding the independent charge of the shipping ministry and was MoS for the chemicals and fertilizers ministry.



28. Answer: c

Explanation:

- In Maharashtra, the state government has decided to inter-link rivers to solve the crisis of drought.
 - For Mumbai, the best option is the Damanganga–Pinjal river inter-linking project, which is seen as an ideal, long-term solution for Mumbai's water needs.
 - This will fulfil Mumbai's water needs till 2060.
-

29. Answer: b

Explanation:

- The 19th summit of the Shanghai Cooperation Organisation (SCO) was held on 13–14 June in Bishkek, Kyrgyzstan.
 - PM Narendra Modi attended the summit while representing India.
 - Founded in 2001, China, Kazakhstan, Kyrgyzstan, Russia, Tajikistan, and Uzbekistan are the founding members of the organisation.
 - India and Pakistan were admitted to the group in 2017.
-

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30. Answer: a

Explanation:

- India's first elephant rehabilitation centre will be situated in Kottoor, Kerala. It is an ecotourism village.
 - It is being planned on the lines of the Pinnawala Elephant Orphanage in Sri Lanka.
 - It will have an elephant museum, mahout training centre, super-specialty hospital, a retirement home and crematorium for the animals, will house orphaned, injured and older elephants.
-

31. Answer: a

Explanation:

- Bank of India reported a net profit of ₹252 crore for the quarter ended March 31, compared with a loss of ₹3,969 crore in 2018.
 - The Gross NPA ratio improved from 16.58% in March 2018 to 15.84% in March 2019.
 - Net NPA ratio declined from 8.26% to 5.61%.
 - Provision coverage ratio improved from 65.85% in March 2018 to 76.95% in March 2019.
-

32. Answer: b

Explanation:

- The RBI has set up a working group to review the regulatory and supervisory framework for core investment companies (CICs).
 - The six-member working group, which will be headed by Tapan Ray, Non-Executive Chairman, Central Bank of India.
 - The working group has also been tasked with recommending appropriate measures to enhance RBI's off-sight surveillance and on-site supervision over CICs.
-

33. Answer: c

Explanation:

- The Kaziranga National Park is located across the Gologhat and Nagaon districts of Assam.
 - It is famous for having the largest population of Indian One Horned Rhinos.
-

34. Answer: b

Explanation:

- The total deposits in bank accounts opened under the Jan Dhan scheme crossed Rs 1 lakh crore
- The cumulative balance in 35.29 crore accounts under the flagship programme of the Modi government reached Rs 97,665.66 crore as on April 3, 2019.
- The Modi government launched the Pradhan Mantri Jan Dhan Yojana (PMJDY) on August 28, 2014.

35. Answer: b

Explanation:

- India has signed a deal to acquire 'Strum Ataka' anti-tank missile from Russia for its fleet of Mi-35 attack choppers.
- The deal for the missiles is worth around ₹200 crore and would give an added capability to the Mi-35 attack choppers to take out enemy tanks and other armoured elements.
- Recently, the IAF has acquired the Spice-2000 stand-off weapon system.

36. Answer: b

Explanation:

- RBI has mandated **Rs. 2 crores** as the **Minimum Net Owned Fund** for an **Non-Banking Financial Company (NBFC)**.
- Earlier this amount was **Rs 25 lakhs**. However, RBI had set a deadline for all NBFCs to reach the **minimum net owned fund of ₹ 2 crore** before **31 March 2017**.

- An NBFC is a company registered under the **Companies Act, 1956 of India** , engaged in the business of loans and advances, acquisition of shares, stock, bonds, hire-purchase insurance business or chit-fund business.
 - Its **working and operations** are regulated by **RBI** under the **Section 45-IA** of the **RBI Act, 1934**.
-

37. Answer: b

Explanation:

- Foreign Minister of United Arab Emirates Sheikh Abdullah bin Zayed Al Nahyan held bilateral talks with External Affairs Minister S Jaishankar in New Delhi.
 - The UAE Foreign Minister was on a three-day visit to India.
 - The UAE is India's third-largest trade partner and its fourth-largest energy supplier.
-

38. Answer: b

Explanation:

- The National Museum of Indian Cinema launched a fortnightly bulletin named "NMIC Bulletin".
 - It is located in Mumbai, Maharashtra.
 - It was brought out by the Films Division with veteran filmmaker Jahnu Barua.
 - The Museum was inaugurated by Hon'ble Prime Minister of India on 19th January 2019.
-

39. Answer: c

Explanation:

- **Operational Risks** arise due to the failure of the core banking solution or any other operational failure of the bank.
- Market risk is mainly associated with the equity market.
- Credit risk is defined as the kind of risk that arises out of default by borrowers.
- Reputation Risk is known as any loss due to the reputation of the bank because of credit risk and business risk.

40. Answer: d

Explanation:

- The **Indian Air Force (IAF)** contingent took part in **Garuda 2019**, a bilateral **Indo-French** exercise hosted by the **French Air Force (FAF)** from July 1 to 12 at **Mont-de-Marsan**.
- Garuda VI was the **largest international air training exercise of 2019** and the IAF contingent consisted of **134 air-warriors**.
- **IAF Chief-Air Chief Marshal Birender Singh Dhanoa**

India and UK	Indradhanush
India and Russia	Aviandra
India and US	Cope India
India and Thailand	Siam Bharat II

41. Answer: c

Explanation:

- The National Annual Rural Sanitation Survey (NARSS) 2018-19, found that **96.5%** of the households in rural India who have access to a toilet use it.
- The survey also re-confirmed the Open Defecation Free (ODF) status of 90.7% of villages.

- The survey was conducted between November 2018 and February 2019, covering 92040 households in 6136 villages across the country.
-

42. Answer: c

Explanation:

Institute for Development and Research in Banking Technology (IDRBT), an arm of RBI, is set to test blockchain technology to support framework for digital transactions. The arm will soon roll-out pilots to develop applications for banks to adopt blockchain. The institute also plans to build a small digital currency model using blockchain. Blockchain promises tamper-proof ledger building.

43. Answer: c

Explanation:

- The Reserve Bank of India (RBI) may set-up an ombudsman for digital payments by March 2019 to reduce the burden on banking ombudsman.
 - The number of complaints related to digital transactions has increased.
 - These complaints are being handled by banking ombudsman.
 - At present, RBI is in the process of creating a scheme for establishing offices for the digital payments ombudsman.
-

44. Answer: b

Explanation:

- The National Institute of Rural Development and Panchayati Raj (NIRDPR) launched a training programme.

- It is of Sustainable Livelihoods and Adaptation to Climate Change (SLACC) to help Rural Poor Farm Holds adapt to Climate Change and sustain their livelihoods.
- The first batch of Community Resource Persons and National Resource Persons from **Madhya Pradesh and Bihar** states have begun receiving training classes in Hyderabad.
- Total 638 drought and flood-prone villages of MP and Bihar are being covered on pilot basis under this first of its kind initiative.

45. Answer: b

Explanation:

- NASA's 'Polarimeter to Unify the Corona and Heliosphere' (PUNCH) mission is focused on understanding the transition of particles from outer corona of the sun to the solar wind that fills the interplanetary space.
- The mission will image regions beyond the outer corona of the sun.
- It will be launched in the year 2022.

46. Answer: a

Explanation:

- The fixed income with no maturity period called perpetual bond.
- Convertible bond is that which lets exchange a bond to a number of shares of the common stock of the issuer.
- Exchangeable bond is a hybrid security consisting of an embedded option to exchange the bond and a straight bond.
- Covered bond is a debt security issued by a mortgage institution or a bank.

47. Answer: b

Explanation:

- The type of account in which the broker lends cash to an investor for purchasing stocks or other financial products is known as margin account.
 - A merchant account allows businesses to accept payments by credit or debit cards.
 - A 'settlement account' is used in balance of payments accounting to keep track of reserve asset transactions of central banks with one other.
 - A savings account allows you to deposit money, withdraw funds and keep it safe.
-

48. Answer: c

Explanation:

- IDRBT- Institute for Development and Research in Banking Technology is developing a model blockchain platform in India.
 - The work is being done under the Reserve Bank of India.
 - It will be developed and documented in 2020.
 - India has around 100 active blockchain startups currently.
-

49. Answer: c

Explanation:

- The headquarters of National Institute of Agricultural Economics and Policy Research are in New Delhi.
 - It was established in March 1991 by the Indian Council of Agricultural Research.
 - It focuses on areas including capacity building, agricultural growth and development, sustainable agriculture, etc.
-

50. Answer: a

Explanation:

- The correct answer is option 1.
- PCR stands for Provision Coverage Ratio.
- It gives an indication of the provision made against bad loans from the profit generated.
- Higher the PCR, lower is the unexposed part of the bad debts.

51. Answer: e

Explanation:

Consider this line from the passage:

"The Isleworth Mona Lisa, a painting of the same woman, Lisa Gherardini, as its namesake, **is purportedly by Leonardo da Vinci.**"

The word '**purportedly**' means 'in a way that is stated to be true, although this may not be the case'. Hence, the sentence states that Leonardo da Vinci is generally considered to have painted the Isleworth Mona Lisa.

Hence, **option 5** is correct.

52. Answer: b

Explanation:

Out of the given options, only option 2 is true. As is mentioned in the passage:

Recently, it (*referring to The Isleworth Mona Lisa from the previous sentence*) **was allowed out briefly for a public exhibition in Florence.**

The lawyer Giovanni Battista Protti is actually arguing **on behalf of the painting's part-owners** that it should **not** be returned to the vault.

The Isleworth Mona Lisa is actually **a portrait of Lisa Gherardini painted by Leonardo da Vinci**.

The last paragraph mentions that Britain **does not have** a French-style art export licensing system.

Therefore, **option 2** is correct.

53. Answer: b

Explanation:

The word 'consortium' means an 'association, typically of several companies'.

We can also figure out from the context of the passage that out of all the given options, an association of companies is most likely to own expensive art pieces.

Therefore, the correct answer is **option 2**.

54. Answer: c

Explanation:

The part of the passage in question says:

"Britain has an art export licensing system that some consider balanced **in how it handles the competing interests of art institutions and art owners**."

The part in bold highlights the reason why Britain's art export licensing system is considered balanced.

Therefore, the correct option is **option 3**.

55. Answer: c

Explanation:

Here are the meanings of the given words:

- Callous – showing or having an insensitive and cruel disregard for others
- Finite – limited in size or extent
- Noxious – harmful, poisonous, or very unpleasant

Sentence A describes the fumes from the pesticides as something to be careful of. They are most likely '**noxious**'. So, A matches with E.

Sentence B describes Kabir's behavior towards the children as cruel and hence, '**callous**'. So, B matches with D.

Sentence C states that the speaker(s) cannot help an organization because they don't have the resources for it. This is because their resources must be '**finite**'. So, C matches with F.

Out of these, only **B-D** is expressed in the given options.

While C-F is also mentioned, it is also grouped together with the wrong combination A-D. Hence, the option will be incorrect.

Therefore, option 3 is correct.

56. Answer: e

Explanation:

Here are the meanings of the given words:

- Caricature – a picture of a person in which certain striking characteristics are exaggerated in order to create a comic effect
- Nocturnal – done, occurring, or active at night

- Agony – extreme physical or mental suffering

Sentence A describes Aman's drawing as funny and colorful. It is most like a **caricature**. So, A matches with D .

Sentence B describes Jane's broken leg and the pain it caused. So, she must be crying in **agony**. So, B matches with F.

Sentence C mountain lions as beings that are active and hunting at night. Therefore, they are **nocturnal** . So, C matches with E.

Out of these, only C-E is expressed in the given options.

Hence, option 5 is correct.

57. Answer: c

Explanation:

Here are the meanings of the given words:

- Affluent – having a great deal of money; wealthy.
- **Ajar** – (of a door or other opening) slightly open.
- Avarice – extreme greed for wealth or material gain.

Sentence A describes the investment banker as someone who committed crimes because he was greedy for money. So, A matches with F .

Sentence B implies that though the door was locked last night, in the morning it was the opposite i.e. open or **ajar** . So, B matches with E.

Sentence C implies that the Jaguar can only be bought by people who have money and are rich or **affluent** . So, C matches with D.

Out of these, only **A-F and B-E** are mentioned in the given options.

While C-D is mentioned, it is grouped with the wrong combination B-F.

Hence, the correct answer is **option 3**.

58. Answer: a

Explanation:

Here are the meanings of the given words:

- **Tacit** – understood or implied without being stated.
- **Pensive** – deep in thought or reflection.
- **Salient** – most noticeable or important.

Sentence A describes how Maya and Mira's mutually had an understanding that they aren't supposed to tell people about their business plans. Hence, they had a 'tacit' agreement. So, A matches with D.

Sentence B describes John's hair as his most noticeable feature. Hence, his hair is his most **salient** feature. So, B matches with F.

Sentence C describes Simran's mood as quite and most likely lost in thought, hence '**pensive**'. So, C matches with E.

Out of these, only **A-D** is expressed in the given options.

Hence, option 1 is correct.

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59. Answer: b

Explanation:

Here are the meanings of the given words:

- **Inane** – lacking sense or meaning; silly
- **Placid** – calm, not easily upset or excited
- **Sedentary** – (of work or a way of life) characterized by much sitting and little physical exercise

Sentence A describes Sumit's life as not active and is hence 'sedentary'. So, **A matches with F**.

Sentence B describes Riya's comments as meaningless and hence, 'inane'. So, **B matches with D**.

Sentence C describes the dog as something not to be afraid of and unlikely to get upset or fierce. Hence, the dog has a 'placid' temperament. So, **C matches with E**.

Out of these, only **A-F and C-E** are expressed in the given options.

Hence, **option 2** is correct.

60. Answer: d

Explanation:

The -ing form of the verb 'paint' in the given sentence indicates that it is either in the continuous tense or that it is a gerund.

Neither one of these cases is true for the given sentence.

It is also not being used to mean the noun 'painting' which means 'a complete painted picture'.

Instead, it is more accurate to say that the scooter 'has red and blue stripes **painted** on the side' i.e. the painting has already been done.

The correct version of the sentence will be: *My sister rides a bright yellow scooter which has red and blue stripes **painted** on the side.*

Therefore, the error is in **option 4**.

61. Answer: a

Explanation:

We can see that the relationship between 'tea turning cold' in the first clause and 'father heating it up' in the second clause is that of **cause and effect**.

The conjunction 'while', on the other hand, is used to connect two clauses **that take place at the same time**.

Instead, the correct version of the given sentence should be: ***Because** the tea had turned cold, my father heated it up in the microwave before serving it to the guests.*

Therefore, the error is in **option 1**.

62. Answer: a

Explanation:

Every verb must agree with its subject by taking on the required verb form.

In the first part of the sentence, the subject is 'department' which is singular. Therefore, the verb 'ensure' must agree with it and take on its singular form i.e. 'ensures'.

The correct version of this sentence will be: *The department **ensures** that every content project fits perfectly into the company's overall marketing strategy.*

Therefore, the error is in **option 1**.

63. Answer: c

Explanation:

In the given sentence, the first part talks about not liking the movie while the second part praises certain parts of it.

The phrase 'due to' doesn't make sense here since it is used to mean 'caused by' or 'because of' something.

The correct version of the sentence will be: *To be honest, I really didn't like the movie **even though** the acting was good and the music was soulful.*

Therefore, the error is in **option 3**.

64. Answer: e

Explanation:

There is no error in this sentence.

★ Key Points

- The simple future is a verb tense that's used to talk about things that haven't happened yet.
Example: This year, Jen will read *War and Peace*. It will be hard, but she's determined to do it.
- The construction '**will surely**' is used to mean that it can be definitely said that someone will perform a certain action in the future.
- In this sentence, the speaker is certain that his or her grandmother will be knitting him or her a sweater in the future (since winter is coming).

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65. Answer: c

Explanation:

The correct form of the given sentence should be: *Yesterday, the Indian government issued a statement **urging** the public to cooperate in this enquiry.*

The verb form *urges* does not make sense in this position of the sentence. It requires the -ing form of the word.

Therefore, the error is in **option 2**.

66. Answer: c

Explanation:

The correct answer is option 3.

Here, the subject of the latter part of the sentence is the pronoun 'she', which is a singular subject. Thus, the verb following the subject must be in accordance with the subject proceeding it.

Therefore, the verb must change its form from ' **were** ' (plural) to ' **was** ' (singular).

The correct version of the sentence will be: One of her most brilliant novels was written when she **was** working as a waitress at a local restaurant.

67. Answer: b

Explanation:

The correct words to fill the blanks in the given sentences are 'comprehend' and 'inveterate'.

Here are the meanings of all the given words:

- Control- to order, limit, or rule something, or someone's actions or behavior.
- Fugitive - a person who has escaped from captivity or is in hiding.
- Comprehend- grasp mentally or understand.
- Inveterate - firmly established by long persistence.
- Familiarise - give (someone) knowledge or understanding of something.
- Perilous - full of danger or risk.
- Subsume -include or absorb (something) in something else.
- Notorious- famous or well known, typically for some bad quality or deed.
- Conform- comply with rules, standards, or laws.
- Resurgent - something that is becoming stronger after a period when it has been weak.

From the given parts of the sentences, we can see that the first blanks require a word that means 'understand'. In the first sentence, the speaker cannot understand the other person's hostility to the speaker's brother while in the second sentence, Ravi's friends cannot understand Ravi's transformation from someone who doesn't drink alcohol to an alcoholic.

The word that fits both these contexts is 'comprehend'.

'Inveterate' is an adjective used to refer to something that has become firmly established because it has existed for a long time. For example, a person can be an inveterate liar, because they have often been known to lie. It can also be used to describe a noun such as 'hostility' in the first sentence to mean that this hostility has existed for a long time.

Therefore, only the set of words in option 2 fit the context of both sentences. Hence, option 2 is correct.

68. Answer: e

Explanation:

The correct words to fill the blanks in the given sentences are 'moderate' and 'beneficial'.

Here are the meanings of all the given words:

- Inferior- not good, or not as good as someone or something else.
- Permanent - lasting or intended to last or remain unchanged indefinitely.
- Abated - made or became less in amount, intensity or degree.
- Prevalent - widespread in a particular area or at a particular time.
- Crucial - decisive or critical, especially in the success or failure of something.
- Considerable- notably large in size, amount, or extent.
- Secular- not connected with religious or spiritual matters.
- Allowance - a sum of money paid regularly to a person to meet needs or expenses.
- Moderate- average in amount, intensity, quality, or degree.

- Beneficial – resulting in good; favorable or advantageous.

We can see from the first sentence that the first blank must be a word that contrasts with 'too much' in the second clause. This is because of the usage of 'while' to contrast the two clauses. Similarly, the second blank must also contrast with the word 'exhaust'.

While 'inferior' might seem like the correct answer, the word is used to describe the quality not the quantity of something. The word 'amount' in sentence 1 shows that 'inferior' must be incorrect.

Only the set of words in option 5 help fit this context.

To double-check, let's place these words in the blanks of sentence 2.

We see that when we place these words in sentence 2, they also make the sentence meaningfully complete. The resulting sentence conveys that even an average amount of exercise, when done regularly, can help keep the human body fit.

Therefore, the correct answer is option 5.

69. Answer: c

Explanation:

The correct words to fill the blanks in the given sentences are 'exaggerate' and 'cautiously'.

Here are the meanings of all the given words:

- Assuage – to make unpleasant feelings less strong
- Thoroughly – in a detailed and careful way
- Captivate – attract and hold the interest and attention of someone
- Scarcely – barely; hardly; not quite
- Exaggerate – to make something seem larger, more important or better than it really is

- Cautiously – in a way that deliberately avoids potential problems or dangers
- Pristine – in its original condition; unspoilt
- Fatuously – , in a way that is stupid, not correct, or not carefully thought about
- Subvert – undermine the power and authority of an established system
- Delightedly – in a way that shows that you are very pleased

We can see from the first parts of the given sentences that the blank will be used to describe something is being overvalued. Hence, the word 'exaggerate'.

This is why the second parts of both sentences indicate a sense of risk, caution and hesitation. Hence, the adverb cautiously.

Only the set of words in option 3 fit the context of both sentences. Therefore, option 3 is correct.

70. Answer: d

Explanation:

The correct words to fill the blanks in the given sentences are 'exuberant' and 'gloomy'.

Here are the meanings of all the given words:

- Euphoric – feeling intense excitement and happiness.
- Jubilant – expressing great happiness and triumph.
-
- Brilliant – very bright, or extremely intelligent or skilled
- Auspicious – conducive to success or favourable
- Deranged – mad or insane
- Vivacious – attractively energetic and enthusiastic
- Exuberant – full of energy, excitement, and cheerfulness
- Gloomy – causing or feeling depression OR dark or poorly lit, so as to appear depressing
- Melancholic – feeling or expressing sadness
- Subdued – quiet and reflective or depressed

We can see from the given sentences that there is a contrast in the meanings of the two required words.

The second sentence indicates that the contrast goes from positive to negative since the speaker is 'concerned' because of the change in Tanya's countenance.

Only the set of words in option 4 indicate this contrast. Therefore, option 4 is correct.

The words 'exuberant' and 'gloomy' can be used to describe both a person's mood or personality (as mentioned in sentence 2) as well as art styles such as in the 'pictures in the exhibition' (as mentioned in sentence 1).

71. Answer: b

Explanation:

The correct words to fill the blanks in the given sentences are 'tirade' and 'berated'.

Here are the meanings of all the given words:

- **Argument** – a set of lengthy statements to convince people that your opinion is correct
- **Abandon** – cease to look after someone
- **Tirade** – a long angry speech of criticism
- **Berate** – to scold or criticize someone angrily
- **Compliment** – a polite expression of praise
- **Curate** – to select, organise or look after certain items
- **Fulsome** – complimentary or flattering to an excessive degree
- **Reproach** – express to someone one's disapproval in their actions
- **Discussion** – a conversation or debate about a specific topic
- **Chant** – to repeat or sing a word or phrase continuously

The second sentence implies that the first word has a negative connotation as understood by the words 'I will not tolerate'.

Also we can see that in both sentences, the negative word in the first blank clearly leads to something happening in the second blank, which is also negative.

We can see that only the words 'tirade' and 'berated' fit this particular context in both the sentences.

While the word 'discussion' might also seem like the correct answer for both the first blanks, the second word 'chant' doesn't fit the context of either of the two sentences.

Therefore, the correct answer is **option 2**.

72. Answer: d

Explanation:

The part of the passage in question says:

"When a mortgage rate is negative, a borrower must still **make monthly payments, but they pay back less than they owe**."

Hence, option 4 is correct.

73. Answer: b

Explanation:

The idiom '**to have the whip hand**' means 'to be the person or group that has the most power in a situation'.

For example:

*As the editor in chief, I **have the whip hand** and give final approval for the layout of every issue.*

Hence, **option 2 is correct**.

74. Answer: b

Explanation:

Out of the given options, only option 2 is true. As is mentioned in the passage:

"They kept rising, especially **in the capital, Copenhagen ...**".

The following sentence from the passage proves that options 1 and 5 are wrong.

"the situation in Denmark, where house prices **have risen consistently** for decades and, **as in most western European countries**, stand at record highs."

And this sentence from the passage proves that option 3 is wrong.

"Savers i **n Denmark** must be squealing with pain at the advent of **the world's first negative rate mortgage ...**".

Therefore, **option 2 is correct.**

75. Answer: b

Explanation:

Let us go through this line from the passage:

"The owner of King's Cross is one of the first property companies to acknowledge it is deploying facial recognition software, even though **it has been criticised by human rights group Liberty** as "a disturbing expansion of mass surveillance".

Hence, we can see that the correct answer is **option 2.**

76. Answer: e

Explanation:

The word ' **liaise** ' means ' **to cooperate on a matter of mutual concern** ' .

Hence, **option 5** is correct.

The use of 'liaise' in the passage conveys that the mayor of London wants reassurance that King's Cross has **properly cooperated** with the government while using facial recognition software in its CCTV systems.

While option 3 might also seem correct, it specifies making an association 'when one is not supposed to'. Hence, it is clearly incorrect.

77. Answer: b

Explanation:

All of the statements mentioned above are true, based on the information provided in the passage, except the statement in option 2.

Here is the relevant line from the passage:

"The mayor of London has written to the owner of the King's Cross development **demanding to know whether the company believes its use of facial recognition software in its CCTV systems is legal** ."

If the Mayor of London believed that the use of that technology was legal, he would not have demanded to know it from the company.

Hence, **option 2** is the correct answer.

78. Answer: c

Explanation:

Here are the relevant lines from the passage:

"... the National Geographic-backed expedition aims to better understand how **plastic pollution travels from source to sea** and provide solutions for reducing the amount that ends up in the world's oceans."

While the expedition may indirectly help save the Ganges' marine life from industrial pollution, that is not the expedition's main purpose.

Hence, **option 3** is correct.

79. Answer: c

Explanation:

A **paradox** can be defined as: ' a situation or statement that seems impossible or is difficult to understand because it contains two opposite facts or characteristics'.

Let us look at the given lines from the passage:

"The 2,525 km-long Ganges is a **river of extreme paradox: though worshipped by 1 billion people and relied on as a water source for roughly 400 million people, it is contaminated** with industrial runoff, untreated sewage and household waste."

We can see from the parts in bold that the part mentioned in option 3 is the reason the author thinks Ganges is a river of paradox.

Hence, **option 3** is correct.

80. Answer: b

Explanation:

The phrasal verb 'run off' means to escape or run away.

However, the word '**runoff**' as mentioned in the context of the passage means '

excess water that flows over the Earth's surface'. It refers to 'industrial runoff' which means 'water discharges from industries'.

Hence, **option 2** is correct.

81. Answer: c

Explanation:

Out of the given statements, only the statement in option 3 is true.

Here are the other facts about the Ganges, as understood from the passage:

- It is a water source for roughly **400** million people
- It is **2,525** km long
- Its source is in the **Himalayas** and it empties into the **Bay of Bengal**

Therefore, **option 3** is correct.

82. Answer: a

Explanation:

The idiom ' **so far so good** ' is used to say that something (such as a project or an activity) has been going well or without problems up to the present.

Out of the given sentences, **only sentence A** conveys this meaning in that **Karan's new job has been going well so far**.

None of the other sentences fit this idiom.

Hence, **option 1** is correct.

83. Answer: c

Explanation:

The idiom 'a perfect storm' is used to describe an extremely bad situation in which many unfavourable things happen at the same time.

Out of the given sentences, only sentence C conveys this meaning in that two unfortunate things happened to Vineet almost at the same time.

None of the other sentences fit the meaning of this idiom.

Hence, option 3 is correct.

84. Answer: d

Explanation:

The idiom 'give someone the cold shoulder' means to intentionally ignore someone or treat someone in an unfriendly way.

Out of the given sentences, sentence A fits the idiom in that **he speaker is being ignored by Seema**.

But sentence B also fits the idiom in that **Rachna was deliberately ignored by Lara when it came to being invited to her party**.

Only **option 4** mentions **both** these sentences and is hence correct.

85. Answer: e

Explanation:

The idiom 'have bigger fish to fry' means to have other more important or interesting things to do.

Sentence A fits this idiom in that Nitin has clients who pay better than the offer does.

Sentence C also fits the idiom in that Shireen has more important things to do than manage every little task on the project.

Therefore, both sentences A and C represent this idiom accurately.

Only **option 5** mentions both these sentences and is hence correct.

86. Answer: b

Explanation:

The idiom '**to shoot straight**' means to talk or deal with people honestly and in a straightforward manner.

Out of the given sentences, only sentence B fits the context of the idiom in that **Taran is described as a person who doesn't confuse people with sarcasm and instead always tells people his honest opinions.**

Hence, **option 2 is correct.**

87. Answer: b

Explanation:

The first verb of the sentence is in the **simple present tense** ('comes'), and is preceded by '**when**' which means that the next part of the sentence will be a result of the first verb.

For example: **When it gets cold, we turn the heaters on.** That is, the heaters are turned on as a result of it getting cold.

Notice how both the verbs are in the **same tense**.

This should be the case with the given sentence as well. The second verb 'was' should actually also be in its simple present tense ('is').

Hence, the correct sentence will be: *But when it comes it **is** torrential, bringing destructive and sometimes fatal flooding.*

Therefore, the error is in the part mentioned in option 2.

88. Answer: c

Explanation:

The verb 'build' in the given sentence is preceded by the word 'have' indicating that the entire verb form should be in its **present perfect tense**.

Examples of **present perfect tense** :

- *Don't worry, I **have reached** home safely.*
- ***She has brought** her new kittens with her to the office.*

The construction for the present perfect tense is: Subj + *have/has* + past participle form of verb

In the given sentence, the verb 'build' should actually be in its past participle form i.e. 'built'.

Hence, the correct sentence should be: *In San Juan, a low-lying area of the city, authorities have now **built** a new park with a twist.*

Therefore, the error is in the part mentioned in option 3.

89. Answer: e

Explanation:

The first sentence of the paragraph or passage should stand independently in meaning. It should ideally also introduce the topic or setting of the passage.

We can see that only sentence D fits this criteria. It introduces the 'city' in which the setting of the entire topic is based.

Hence, **D is the first sentence.**

The next sentence should offer an explanation or contrast of the information provided in sentence D. None of the sentences offer any logical explanation of the subject mentioned in sentence D (the city receives no rains for months), but sentence C does offer a logical contrast to this information (the rain can be torrential when it does come).

Hence, **C is the second sentence.**

The next sentence should logically be **E**. This is because it introduces a new element to the passage (authorities built a new park) while tying together with the part already mentioned before (the city).

Hence, **E is the third sentence.**

Out of the remaining two sentences, sentence A should come before sentence B. This is because it is clear that sentence B is only referring and expanding on a subject mentioned before it. This subject is clearly introduced and named ('Called La Marjal') in sentence A.

Hence, **A is the fourth sentence and B is the fifth sentence.**

Therefore, the correct order of sentences to form a paragraph would be **DCEAB**.

Hence, **option 5 is correct.**

90. Answer: b

Explanation:

The given sentence can be used to **emphasise a change in situations**. It can be used to illustrate that 'this is how things used to be but aren't anymore'.

Therefore, it should fit within a part of the passage where a change of some kind is introduced.

This change can be observed between the 2nd sentence (C) and 3rd sentence (E). C talks about the torrential rains and floods in the city while E talks about the new park that has now been built to help the rain and flood situation. Therefore, the given sentence, would signify that while the city used to experience torrential rains and floods, it doesn't anymore.

Let us look at how it fits into the passage:

Alicante, a city in southeast Spain, goes without rain for months on end.

But when it comes it's torrential, bringing destructive and sometimes fatal flooding.

Or at least, it used to.

In San Juan, a low-lying area of the city, authorities have now built a new park with a twist.

Called La Marjal, it serves as a as a typical recreation area and a nature reserve.

But its primary purpose is to store, and then recycle, rainwater.

91. Answer: c

Explanation:

⇒ Let there be x employees in the beginning.

⇒ Total of ages of all employees = $44x$

⇒ After 4 years Sum of their age = $x(44 + 4) - 5 \times 78$

⇒ After another two years = $48x - 390 + 2(x - 5) = 40(x - 5)$

⇒ $48x - 390 + 2x - 10 = 40x - 200$

⇒ $10x = 200$

$$\Rightarrow x = 20$$

92. Answer: b

Explanation:

GIVEN :

A book of 200 pages has 26 lines on each page and each line has approximately 9 words.

Another book in which the pages have 33 lines and each line has approximately 8 words.

CONCEPT :

Percentage

CALCULATION :

Total number of words in the first book = $200 \times 26 \times 9 = 46800$

$\Rightarrow$ No. of pages in the second book = $46800 / (33 \times 8) = 177.27$ (178 pages)

$\Rightarrow$ Percentage **reduction** in pages = $(200 - 178) / 200 \times 100 = 11\%$

93. Answer: b

Explanation:

Given:

Total stocks of notebooks of both shops = $4500 + 3500 = 8000$

Then,

Total stock available before sales in shop A,

$$\Rightarrow 4500 + 6000 + 1200 + 2500 + 3000 = 17200$$

Total stock available before sales in shop B,

$$\Rightarrow 3500 + 5000 + 1500 + 3000 + 2500 = 15500$$

Total stock of both shops,

$$\Rightarrow 17200 + 15500 = 32700$$

$$\text{Required value} = 8000 = N \times 32700$$

$$\Rightarrow N = 0.24$$

94. Answer: c

Explanation:

Given:

Total stock available before sales in shop B,

$$\Rightarrow 3500 + 5000 + 1500 + 3000 + 2500 = 15500$$

Total sales of five items of shop B,

$$\Rightarrow 3000 + 3500 + 1100 + 1600 + 1900 = 11100$$

Required percentage,

$$\Rightarrow (11100/15500) \times 100 = 71.61\%$$

95. Answer: d

Explanation:

Given:

Total stock available before sales in shop A =

$$\Rightarrow 4500 + 6000 + 1200 + 2500 + 3000$$

$$\Rightarrow 17200$$

Total sales of five items of shop A =

$$\Rightarrow 4000 + 3500 + 900 + 1800 + 2200$$

$$\Rightarrow 12400$$

Total stock available after sales

$$\Rightarrow 17200 - 12400 = \mathbf{4800}$$

96. Answer: b

Explanation:

Given:

Total sales of five items of shop A =

$$\Rightarrow 4000 + 3500 + 900 + 1800 + 2200$$

$$\Rightarrow 12400$$

Total sales of five items of shop B =

$$\Rightarrow 3000 + 3500 + 1100 + 1600 + 1900$$

$$\Rightarrow 11100$$

Required ratio is $(12400/5) : (11100/5) = \mathbf{124 : 111}$

97. Answer: a

Explanation:

Given:

Total sales of notebooks for two shops = $4000 + 3000 = 7000$

Total sales of books for two shops = $3500 + 3500 = 7000$

Total sales of school bags for two shops = $900 + 1100 = 2000$

Total sales of compass boxes for two shops = $1800 + 1600 = 3400$

Total sales of uniforms for two shops = $2200 + 1900 = 4100$

Then,

Total sales of two shops are $7000 + 7000 + 2000 + 3400 + 4100 = 23500$

Average sales of two shops = $23500/5 = 4700$

Then, **for notebooks and books**, total sales is greater than average sales.

98. Answer: c

Explanation:

Let the capacity of the vessels be the LCM of $(2 + 1)$, $(3 + 1)$ and $(3 + 2)$.

So, LCM = 60 i.e. capacity of vessels will be 60 litres

In the mixture, milk = $60 \times \frac{2}{3} + 60 \times \frac{3}{4} + 60 \times \frac{3}{5} = 40 + 45 + 36 = 121$ litres

Water = $60 \times \frac{1}{3} + 60 \times \frac{1}{4} + 60 \times \frac{2}{5} = 20 + 15 + 24 = 59$ litres

So, required ratio = **121 : 59**

Note : It does not matter whether the capacity of the vessels is given 10 litres, it should be equal i.e. LCM of all three or equal to 10 litres for each vessel.

99. Answer: b

Explanation:

⇒ For every 1000 ml of milk, he adds 100 ml of milk. Therefore, every 1000 ml of this mixture contains $(1000 \times 1000)/1100 = 909$ ml of milk and 91 ml of water.

⇒ Consider the cost of 1 ml = Rs. 1

⇒ For 1000 ml of this mixture, he charges Rs. 1000 but the actual CP = Rs. 909.

⇒ Discount should be such that SP = CP = 909.

⇒ Discount = $(1000 - 909)/1000 \times 100 = 9.1\%$

100. Answer: e

Explanation:

Given,

Total number of people in village E is 3000.

Total number of people from all five villages = $3000 \times 100/10 = 30000$

Village	Number of people	Number of Literate People
A	$30000 \times 20/100 = 6000$	$6000 \times 20/100 = 1200$
B	$30000 \times 30/100 = 9000$	$9000 \times 10/100 = 900$
C	$30000 \times 15/100 = 4500$	$4500 \times 40/100 = 1800$
D	$30000 \times 25/100 = 7500$	$7500 \times 25/100 = 1875$
E	$30000 \times 10/100 = 3000$	$3000 \times 5/100 = 150$
Total		5925

Total number of literate males of all five villages are

$$\Rightarrow 1200 \times 40/100 + 900 \times 40/100 + 1800 \times 40/100 + 1875 \times 40/100 + 150 \times 40/100$$

$$\Rightarrow 480 + 360 + 720 + 750 + 60 = 2370$$

Required average is $2370/5 = 474$

101. **Answer: a**

Explanation:

Given:

Total number of people in village E is 3000.

Total number of people in all five villages is $3000 \times 100/10 = 30000$

Total number of people in village B is $30000 \times 30/100 = 9000$

Total number of literate people in village B is $9000 \times 10/100 = 900$

Number of literate females of village B is $900 \times 80/100 = 720$

Required percentage = $(720/9000) \times 100 = 8\%$

102. **Answer: c**

Explanation:

Given:

Total number of people in village E is 3000.

Total number of people in all five villages = $3000 \times 100/10 = 30000$

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Village	Number of people	Number of literate people
A	$30000 \times 20/100 = 6000$	$6000 \times 20/100 = 1200$
B	$30000 \times 30/100 = 9000$	$9000 \times 10/100 = 900$
C	$30000 \times 15/100 = 4500$	$4500 \times 40/100 = 1800$
D	$30000 \times 25/100 = 7500$	$7500 \times 25/100 = 1875$
E	$30000 \times 10/100 = 3000$	$3000 \times 5/100 = 150$
Total		5925

From above, we can see that **village D** has the maximum number of literate people.

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103. Answer: a

Explanation:

Given:

Total number of people in village E is 3000.

Total number of people in all five villages = $3000 \times 100/10 = 30000$

Village	Number of people	Number of literate people
A	$30000 \times 20/100 = 6000$	$6000 \times 20/100 = 1200$
B	$30000 \times 30/100 = 9000$	$9000 \times 10/100 = 900$
C	$30000 \times 15/100 = 4500$	$4500 \times 40/100 = 1800$
D	$30000 \times 25/100 = 7500$	$7500 \times 25/100 = 1875$
E	$30000 \times 10/100 = 3000$	$3000 \times 5/100 = 150$
Total		5925

Total number of literate people in all five villages = 5925

Total number of illiterate people in all five villages = $30000 - 5925 = 24075$

Total number of illiterate people in village E = $3000 - 150 = 2850$

Required ratio = **38 : 321**

104. Answer: d

Explanation:

Given:

Total number of people in village E is 3000.

Total number of people in the five villages = $3000 \times 100/10 = 30000$

Village	Number of people	Number of literate people
A	$30000 \times 20/100 = 6000$	$6000 \times 20/100 = 1200$
B	$30000 \times 30/100 = 9000$	$9000 \times 10/100 = 900$
C	$30000 \times 15/100 = 4500$	$4500 \times 40/100 = 1800$
D	$30000 \times 25/100 = 7500$	$7500 \times 25/100 = 1875$
E	$30000 \times 10/100 = 3000$	$3000 \times 5/100 = 150$
Total	30000	5925

Total number of literate people in the five villages = 5925

Total number of illiterate people in the five villages = $30000 - 5925 = 24075$

Required percentage = $(24075/30000) \times 100$

= **80.25%**

105. Answer: c

Explanation:

Given:

Total number of people in village E is 3000.

Total number of people in five villages = $3000 \times 100/10 = 30000$

Village	Number of people	Number of literate people
A	$30000 \times 20/100 = 6000$	$6000 \times 20/100 = 1200$
B	$30000 \times 30/100 = 9000$	$9000 \times 10/100 = 900$
C	$30000 \times 15/100 = 4500$	$4500 \times 40/100 = 1800$
D	$30000 \times 25/100 = 7500$	$7500 \times 25/100 = 1875$
E	$30000 \times 10/100 = 3000$	$3000 \times 5/100 = 150$
Total		5925

Total number of literate people in the five villages = **5925**

106. **Answer: a**

Explanation:

Let the present ages of A and B are $4x$ and $5x$ years respectively and the present ages of C and D are $5y$ and $6y$ years respectively.

$\therefore$ Sum of the ages of A, B, C and D = $4x + 5x + 5y + 6y = 40.5 \times 4$

$$\Rightarrow 9x + 11y = 162 \quad \text{-----(1)}$$

Also given that,

$$\Rightarrow 2 \times (4x + 2) = 6y + 6$$

$$\Rightarrow 4x - 3y = 1 \quad \text{-----(2)}$$

From the equations (1) and (2), we get,

$$\Rightarrow x = 7$$

$$\Rightarrow y = 9$$

$\therefore$ The present ages of A, B, C and D are 28, 35, 45 and 54 respectively.

$\therefore$ Average of the present ages of B and C. = $(35 + 45)/2 = 40$ years

107. Answer: e

Explanation:

Given:

Let savings of A, B and C be Rs. A, Rs. B and Rs. C respectively.

Using statement I,

$$\Rightarrow A = C + 200$$

Using statement II,

$$\Rightarrow B = C - 450$$

Using both

$$\Rightarrow A - B = C + 200 - C + 450 = 650$$

From above, we can see that **both statements** are necessary to answer the question.

108. Answer: e

Explanation:

Given:

Let the price of a bat and the price of a ball be Rs. M and Rs. N respectively.

Using statement I,

$$\Rightarrow 2M + 20N = 3000$$

$$\Rightarrow M + 10N = 1500$$

Using statement II,

Price of a bat after discount = $19M/20$

$$\Rightarrow 10 \times 19M/20 + N = 2970$$

$$\Rightarrow 19M + 2N = 5940$$

After solving,

We can get the price of a bat and the price of a ball.

Using **both statements**, we will be able to find the solution to the question.

109. Answer: e

Explanation:

Given:

Let the number of red, blue and pink balls be R, B and P respectively.

Using statement I,

$$\Rightarrow R = 20$$

$$\Rightarrow P + B = 16$$

Using statement II,

$$\Rightarrow 2B = R - P$$

$$\Rightarrow 32 - 2P = R - P$$

$$\Rightarrow P = 32 - 20 = 12$$

$$\Rightarrow B = 16 - 12 = 4$$

$$\text{Total balls} = 20 + 16 = 36$$

$$\text{Probability} = 4/36 = 1/9$$

Therefore, both statements are necessary to answer the question .

110. Answer: e

Explanation:

Given:

Using statement I,

Diagonal of the rectangle = 29 cm

Let length be L and breath be B.

Using Pythagoras theorem,

$$\Rightarrow 29^2 = L^2 + B^2 \quad \text{-----(i)}$$

Using statement II,

Perimeter of rectangle = 82 cm

$$\Rightarrow L + B = 41 \quad \text{----(ii)}$$

From eq (i) and (ii),

$$L^2 + (41 - L)^2 = 841$$

$$L = 21, 20$$

We will take $L = 21$ ($\because L > B$)

$$L = 21$$

We can find the length of the rectangle with the help of both the given statements.

Therefore, option 5 is correct.

111. Answer: d

Explanation:

Given:

Using statement I,

A takes days to complete the work

Using statement II,

$$\Rightarrow 1/A + 1/B = 1/12$$

We can't determined the time taken by A alone and B alone to complete the work.

Therefore, option 4 is correct.

112. Answer: d

Explanation:

Rajesh had 12000 in business for first month, 11000 for second month, 10000 for third month and so on till 1000 for last month of the year.

Part of Rajesh in partnership = $12000 \times 1 + 11000 \times 1 + 10000 \times 1 + \dots + 1000 \times 1$

= Rs. 78000

Part of Rajneesh in partnership = 9000×12 (as he invested the same amount for 12 months)

= 108000

Ratio in which they will share profit will be = $78000/108000 = 13/18$

Profit done by the business is 310/7% of initial amount, which will be $12000 + 9000 = 21000$

so the profit will be $310/(7 \times 100) \times 21000 = 9300$

then, profit earned by Rajesh = $13/((13 + 18)) \times 9300 = 3900$.

113. Answer: a

Explanation:

Quantity A:

Given:

Let the number of students from class A be M.

Total age of class A students = 12M

Total age of class B students = $25 \times 14 = 350$

Then,

Total age of class A and class B students = $12.90 \times (M + 25)$

$\Rightarrow 12.90M + 322.5$

Given,

$$\Rightarrow 12.90M + 322.5 = 12M + 350$$

$$\Rightarrow 0.90M = 27.5$$

$$\Rightarrow M = 30.55 \approx 31$$

Number of students of class A = 30

Quantity B:

Let the number of workers be N.

$$\text{Total salary of all staff in an Institute} = (N + 8) \times 6000 = 6000N + 48000$$

Given,

$$\text{Total salary of 8 workers} = 5000 \times 8 = 40000$$

$$\text{Total salary of N workers} = N \times 8000 = 8000N$$

Then,

$$\Rightarrow 6000N + 48000 = 40000 + 8000N$$

$$\Rightarrow 2000N = 8000$$

$$\Rightarrow N = 4$$

Number of officers = 4

$$\text{Required difference in number of workers and officers} = 8 - 4 = 4$$

$\therefore$ From above, **Quantity A > quantity B** is established.

114. **Answer: b**

Explanation:

Quantity A:

Let present age of P and Q be P and Q respectively.

$$\Rightarrow (P - 10) / (Q - 10) = 2/3$$

$$\Rightarrow 3P - 30 = 2Q - 20$$

$$\Rightarrow 3P - 2Q = 10$$

Given,

$$\Rightarrow (Q + 4) - (P + 4) = 8$$

$$\Rightarrow Q - P = 8$$

Solving,

$$\Rightarrow 3P - 2(P + 8) = 10$$

$$\Rightarrow 3P - 2P - 16 = 10$$

$$\Rightarrow P = 26 \text{ years}$$

Present age of P is 26 years.

Quantity B:

Let age of Father and daughter be A and B respectively.

Given,

$$\Rightarrow A = 2B$$

$$\Rightarrow (A - 7) + (B - 7) = 67$$

$$\Rightarrow A + B = 81$$

Solving,

$$\Rightarrow B = 27 \text{ years}$$

$$\Rightarrow A = 27 \times 2 = 54 \text{ years}$$

After 3 years,

Father's age = $54 + 3 = 57$ years.

$\therefore$ From above, **quantity A < quantity B** is established.

115. Answer: e

Explanation:

Quantity A:

Population of company = 20000

Population after three years = 24948

Then,

$$\Rightarrow 24948 = 20000 \times (1 + 5/100) \times (1 + 10/100) \times (1 + N/100)$$

$$\Rightarrow 24948 = 20000 \times 105/100 \times 110/100 \times (100 + N)/100$$

$$\Rightarrow 100 + N = 108$$

$$\Rightarrow N = 8$$

In the third year, population is increased by 8%.

Quantity B:

Cost price of 70 bags = $70 \times 275 = \text{Rs. } 19250$

Marked price of a bag = 330

Selling price of a bag = $330 - 330 \times 10/100 = 297$

Selling price of 70 bags = $70 \times 297 = \text{Rs. } 20790$

Profit percentage,

$$\Rightarrow (20790 - 19250)/19250 \times 100$$

$$\Rightarrow 8\%$$

Profit percentage = 8%

$\therefore$ From above, **Quantity A = Quantity B** is established.

116. Answer: a

Explanation:

Quantity A:

Given,

$$M's\ 1\ hour's\ work + N's\ 2\ hours\ work + P's\ 46\ hours\ work = 1$$

$$(M + N)'s\ 1\ hour's\ work + (N + P)'s\ hour's\ work + P's\ 45\ hours\ work = 1$$

$$1/6 + 1/12 + P's\ 45\ hours\ work = 1$$

$$P's\ 15\ hours\ work = 1 - 1/4$$

$$P's\ 45\ hours\ work = \frac{3}{4}$$

$$P's\ 1\ hour's\ work = \frac{3}{4} \times \frac{1}{45} = \frac{1}{60}$$

$$N's\ 1\ hour's\ work = \frac{1}{12} - \frac{1}{60} = \frac{1}{15}$$

$$M's\ 1\ hour's\ work = \frac{1}{6} - \frac{1}{15} = \frac{1}{10}$$

M alone can complete the work in 10 hours.

Quantity B:

Given,

$$\text{In 1 hour both apart from each other} = 12 - 10 = 2\ km$$

To stay 10 km apart from each other, they take is $10/2 = 5$ hours

$\therefore$ From above, **Quantity A > quantity B** is established.

117. Answer: e

Explanation:

$$\text{I. } a^2 + 16a - 665 = 0$$

$$\Rightarrow a^2 + 35a - 19a - 665 = 0$$

$$\Rightarrow a(a + 35) - 19(a + 35) = 0$$

$$\Rightarrow (a + 35)(a - 19) = 0$$

Then, $a = -35$ or $a = +19$

$$\text{II. } b^2 + 63b + 980 = 0$$

$$\Rightarrow b^2 + 35b + 28b + 504 = 0$$

$$\Rightarrow b(b + 35) + 28(b + 35) = 0$$

$$\Rightarrow (b + 28)(b + 35) = 0$$

Then, $b = -28$ or $b = -35$

So, when $a = -35$, $a < b$ for $b = -28$ and $a = b$ for $b = -35$

And when $a = +19$, $a > b$ for $b = -28$ and $a > b$ for $b = -35$

$\therefore$ So, the relationship between Quantity A and Quantity B cannot be established.

118. Answer: b

Explanation:

GIVEN :

⇒ Diameter of ball = 14 cm

⇒ Radius of ball = diameter/2 = $14/2 = 7$ cm

⇒ Height of cylinder = $7/3$ cm

FORMULA USED :

⇒ Volume of cylinder = $\pi r^2 h$

⇒ Volume of sphere = $(4/3) \times \pi \times \text{radius}^3$

CALCULATION :

⇒ Volume of ball = $(4/3) \times 7 \times 7 \times 7 \times \pi = 1372\pi/3$

⇒ Volume of solid cylinder = volume of iron ball

⇒ $\pi \times \text{radius}^2 \times \text{height} = 1372\pi/3$

⇒ $\pi \times \text{radius}^2 \times (7/3) = 1372\pi/3$

⇒ $\text{radius}^2 = 196$

⇒ radius = 14

⇒ Diameter of solid cylinder = $2 \times \text{radius} = 2 \times 14 = 28$ cm

∴ Diameter of base of solid cylinder is 28 cm

119. Answer: c

Explanation:

Johny – John

Efficiency ratio = 1 : 2

Number of days worked – 30 and 15

Johnny's one day work = $1/30$

John's one day work = $1/15$

(John + Johnny) one day work = $1/30 + 1/15 = (1 + 2) / 30 = 1/10$

Now, let us assume John joined Johnny after $(22 - x)$ days

Then,

$$(22 - x) / 30 + (x \times 1) / 10 = 1$$

$$\Rightarrow (22 - x + 3x) / 30 = 1$$

$$\Rightarrow 22 + 2x = 30$$

$$\Rightarrow x = 4$$

120. Answer: e

Explanation:

$\Rightarrow$ Assume the work of filling the tank = 40 units

$\Rightarrow$ Work done by A and B in one minute = $40 / (40/9) = 9$ units.

$\Rightarrow$ Let the work done by A in one minute = x units

$\Rightarrow$ Let the work done by B in one minute = y units

$$\Rightarrow x + y = 9 \quad \dots (i)$$

$$\Rightarrow \text{Also, } 40/x + 2 = 40/y \quad \dots (ii)$$

$$\therefore 40x - 40y = 2xy$$

$\Rightarrow$ Substituting $y = 9 - x$ from (i) in (ii)

$$\Rightarrow 40x - 40(9 - x) = 2x \times (9 - x)$$

$$\Rightarrow 40x - 360 + 40x = 18x - 2x^2$$

$$\Rightarrow 2x^2 + 62x - 360 = 0$$

$$\Rightarrow x^2 + 31x - 180 = 0$$

$$\Rightarrow x = -36 \text{ (not possible) OR } x = 5$$

$$\Rightarrow \text{Time taken by A to fill the tank} = 40/5 = \mathbf{8 \text{ minutes}}$$

121. Answer: d

Explanation:

Let the distance between school and house be n km.

$$\Rightarrow \text{Difference in the times taken at two speeds} = 6 + 6 = 12 \text{ min} = 1/5 \text{ hr}$$

Then,

$$\Rightarrow n/2.5 - n/3.5 = 1/5$$

$$\Rightarrow 2n/5 - 2n/7 = 1/5$$

$$\Rightarrow 4n/35 = 1/5$$

$$\Rightarrow 4n = 7$$

$$\Rightarrow n = 1\frac{3}{4} \text{ km}$$

$\therefore$ Distance between school and house is $1\frac{3}{4} \text{ km}$

122. Answer: b

Explanation:

Let the speed of the flow be x kmph. Therefore, the speed of the boat = $3x$

$\Rightarrow$ Time taken when travelling with the flow = $48/(x + 3x) = 48/4x$

$\Rightarrow$ Time taken when travelling against the flow = $48/(3x - x) = 48/2x$

$\Rightarrow 48/2x = 48/4x + 3$

$\Rightarrow 24/x - 12/x = 3$

$\Rightarrow x = 4$ kmph

$\Rightarrow$ Speed of boat = $3x = 12$ kmph

123. Answer: c

Explanation:

A train, running at the speed of 54 km/hr, passes a man going in the same direction at 18 km/hr in 12 seconds.

Speed of the train = 15 m/s

Speed of the man = 5 m/s

Length of the train = (Relative speed of the train and the man) $\times$ Time

$\Rightarrow$ Length of the train = 120 m

Train passes a woman in 6 seconds who is going in the opposite direction.

Let the speed of the woman be S m/s.

Length of the train = (Relative speed of the train and the woman) $\times$ Time

$\Rightarrow 120 = (15 + S) \times 6$

$\Rightarrow S = 5$ m/s

124. Answer: a

Explanation:

Total number of returned notes =

$$\Rightarrow 650 \times 8/100 + 1000 \times 10/100 + 300 \times 15/100 + 500 \times 5/100 + 350 \times 10/100$$

$$\Rightarrow 257$$

Total number of notes the person has before returning =

$$\Rightarrow 650 + 1000 + 300 + 500 + 350 = 2800$$

Total number of notes in good condition = $2800 - 257 = 2543$

$$\text{Required percentage} = 2543/2800 \times 100 = \mathbf{90.82\%}$$

125. Answer: d

Explanation:

Given:

$$\text{Number of notes of Rs. 10 person has} = 6500/10 = 650$$

$$\text{Number of notes of Rs. 20 person has} = 20000/20 = 1000$$

Given,

$$\text{Total number of notes of Rs. 100} = 500$$

$$\text{Number of returned notes of Rs. 100} = 500 \times 5/100 = 25$$

$$\text{Percentage of returned notes of Rs. 200} = 10\%$$

Then,

Total number of returned notes =

$$\Rightarrow 650 \times 8/100 + 1000 \times 10/100 + 300 \times 15/100 + 500 \times 5/100 + 350 \times 10/100$$

$$\Rightarrow 257$$

126. Answer: c

Explanation:

Given:

Number of notes of Rs. 10 the person has = $6500/10 = 650$

Number of notes of Rs. 20 the person has = $20000/20 = 1000$

Total number of notes the person has before returning,

$$\Rightarrow 650 + 1000 + 300 + 500 + 350$$

$$\Rightarrow 2800$$

Required percentage is $650/2800 \times 100 = 23.21\%$

127. Answer: e

Explanation:

Given:

Number of notes of Rs. 50 = 300

Number of notes of Rs. 50 after returning = $300 \times 85/100 = 255$

Then,

Number of notes of Rs. 200 = 350

Percentage number of return notes of Rs. 200 = 10%

Number of notes of Rs. 200 after returning = $350 \times 90/100 = 315$

Required ratio is **21 : 17**

128. Answer: e

Explanation:

Given,

Number of Notes of Rs. 10 person has = $6500/10 = 650$

Number of Notes of Rs. 20 person has = $20000/20 = 1000$

Then,

Required difference in number of notes be

$$\Rightarrow 1000 \times 10/100 - 650 \times 8/100$$

$$\Rightarrow 100 - 52 = \mathbf{48}$$

129. Answer: a

Explanation:

Given:

Total amount with notes of Rs. 50 = $300 \times 50 = 15000$

Total amount that the bank gave to the person =

$$\Rightarrow 6500 + 20000 + 15000 + 50000 + 70000$$

$$\Rightarrow 161500$$

Required average = $161500/5 = \mathbf{Rs. 32300}$

130. Answer: b

Explanation:

Let the initial sum of money be Rs 'x'

Amount after gaining Compound interest = $x \left(1 + \frac{10}{100}\right)^2 = \text{Rs } 1.21x$

Amount after gaining Simple interest = $1.21x + \frac{(1.21x \times 3 \times 15)}{100} = \text{Rs } 1.7545x$

Given, $1.7545x = 175450$

$\Rightarrow x = 1,00,000$

131. Answer: b

Explanation:

Given:

Ratio of the price of the plate for females and plate for males = 200 : 240

= 5 : 6

Given,

Number of females who didn't come for the party = $60 \times \frac{20}{100} = 12$

Number of males who didn't come for the party = $80 \times \frac{30}{100} = 24$

Ratio of the number of females and number of males who didn't come for the party =

= 12 : 24

= 1 : 2

$\therefore$ Required compound ratio =

$$= (5 : 6) \text{ and } (1 : 2)$$

$$= 5 : 12$$

132. Answer: a

Explanation:

Let price of a pillow and a bed be Rs. P and Rs. Q respectively.

$$\Rightarrow 12P + 7Q = 4250$$

$$\Rightarrow P + 3Q = 1200$$

Solving,

$$\Rightarrow 12P + 7Q = 4250$$

$$\Rightarrow 12P + 36Q = 14400$$

Subtracting,

$$\Rightarrow 29Q = 10150$$

$$\Rightarrow Q = 350$$

$$\Rightarrow P = 1200 - 1050 = 150$$

Required average price:

$$= (350 + 150)/2 = \text{Rs. 250}$$

133. Answer: c

Explanation:

Let the length of the fourth piece be 'x' m.

Length of third piece = $4 + 2x$

Length of second piece = $\frac{5}{12} \times (4 + 2x) = \frac{5}{3} + \frac{5x}{6}$

Length of first piece = $6 + \frac{5}{3} + \frac{5x}{6} = \frac{23}{3} + \frac{5x}{6}$

Now,

Length of log = 60 m

$$\Rightarrow x + 4 + 2x + \frac{5}{3} + \frac{5x}{6} + \frac{23}{3} + \frac{5x}{6} = 60$$

$$\Rightarrow \frac{14x}{3} + \frac{40}{3} = 60$$

$$\Rightarrow \frac{14x}{3} = \frac{140}{3}$$

$$\Rightarrow x = \frac{140}{14} = 10 \text{ m}$$

$$\therefore \text{Length of first piece} = \frac{23}{3} + \frac{5x}{6} = \frac{23}{3} + \frac{25}{3} = \frac{48}{3} = 16 \text{ m}$$

134. Answer: c

Explanation:

$$\Rightarrow \text{Cost price of 73 articles} = \text{Rs. } 5110$$

$$\Rightarrow \text{Cost price of an article} = \frac{5110}{73} = 70$$

Also,

$$\Rightarrow \text{Selling price of 89 articles} = \text{Rs. } 5607$$

$$\Rightarrow \text{Selling price of an article} = \frac{5607}{89} = 63$$

$$\Rightarrow \text{Loss percentage} = \left\{ \frac{(\text{Cost Price} - \text{Selling Price})}{\text{Cost Price}} \right\} \times 100 = \left\{ \frac{(70 - 63)}{70} \right\} \times 100 = 10\%$$

$\therefore$ There will be a **loss percentage of 10%**.

135. Answer: e

Explanation:

$$87 + 1 \text{ (i.e. } 0^3 + 1) = 88$$

$$88 - 2 \text{ (i.e. } 1^3 + 1) = 86$$

$$86 + 9 \text{ (i.e. } 2^3 + 1) = 95$$

$$95 - 28 \text{ (i.e. } 3^3 + 1) = 67$$

$$67 + 65 \text{ (i.e. } 4^3 + 1) = 132 \text{ (32)}$$

$$132 - 126 \text{ (i.e. } 5^3 + 1) = 6$$

136. Answer: d

Explanation:

$$6 \times 1 + 2 = 8$$

$$8 \times 1.5 + 2 = 14$$

$$14 \times 2 + 2 = 30$$

$$30 \times 2.5 + 2 = 77 \text{ (75)}$$

$$77 \times 3 + 2 = 233$$

$$233 \times 3.5 + 2 = 817.5$$

137. Answer: a

Explanation:

3 7 13 23 41 75

+4 +6 +10 +18 +34

+2 +4 +8 +16

Key note: Addition of numbers in multiple rows is majorly used in the number series questions.

138. Answer: e

Explanation:

$$21 + 11 = 32 \text{ (33)}$$

$$32 + 13 = 45$$

$$45 + 15 = 60$$

$$60 + 17 = 77$$

$$77 + 19 = 96$$

139. Answer: a

Explanation:

$$17 - 4 = 13$$

$$13 - 5 = 8 \text{ (18)}$$

$$8 + 6 = 14$$

$$14 + 7 = 21$$

$$21 - 8 = 13$$

$$13 - 9 = 4$$

$$4 + 10 = 14$$

$$14 + 11 = 25$$

140. Answer: c

Explanation:

$$\Rightarrow \text{First simple interest} = (\text{Principal} \times \text{rate} \times \text{time})/100 = (500 \times 12 \times 4)/100 = 240$$

Let principal for second simple interest be P.

$$\Rightarrow \text{Simple interest} = (\text{Principal} \times \text{time} \times \text{rate})/100 = (P \times 10 \times 4)/100 = 2P/5$$

$$\Rightarrow \text{Total interest} = \text{Rs. } 480$$

$$\Rightarrow 240 + 2P/5 = 480$$

$$\Rightarrow 1200 + 2P = 2400$$

$$\Rightarrow 2P = 1200$$

$$\Rightarrow P = 600$$

$\therefore$ Sum of money for the second simple interest is **Rs. 600**.

141. Answer: a

Explanation:

According to the given information,

A is					
Symbol	\$	@	#	%	&
Meaning	>	<	≥	≤	=
Than B					

Statements:

$P \# B \$ T; R \& B \$ S; L \% R \# Q$

$\rightarrow P \geq B > T; R = B > S; L \leq R \geq Q$

$\rightarrow P \geq B = R > T; R > S; R \geq Q; R \geq L$

Conclusions:

I. $P \# Q \rightarrow \text{True}$ ($P \geq B = R \geq Q$, implies $P \geq Q$)

II. $L \& Q \rightarrow \text{False}$ ($R \geq Q; R \geq L$, a relation between L and Q cannot be established)

III. $T \% S \rightarrow \text{False}$ ($R > T; R > S$; a relation between T and S cannot be established)

IV. $P \# S \rightarrow \text{False}$ ($P \geq B = R > S$; implies $P > S$)

Hence, only conclusion I is true.

142. Answer: e

Explanation:

According to the given information,

A is					
Symbol	\$	@	#	%	&
Meaning	>	<	≥	≤	=
Than B					

Statement:

$R \$ W \% P; N \& W \# S; J \% T @ N; K \& T$

$\rightarrow R > W \leq P; N = W \geq S; J \leq T < N; K = T$

$\rightarrow R > W = N \geq S; P \geq W; N > T = K \geq J$

Conclusions:

I. $N \# J \rightarrow \text{False}$ ($N > T = K \geq J$, implies $N > J$)

II. $P \# S \rightarrow \text{True}$ ($P \geq W = N \geq S$, implies $P \geq S$)

III. $R @ P \rightarrow \text{False}$ ($R > W; P \geq W$, a relation between R and P cannot be determined.)

IV. $W \$ K \rightarrow \text{True}$ ($W = N > T = K$, implies $W > K$)

Hence, both conclusion II and conclusion IV are true.

143. Answer: d

Explanation:

According to the given information,

A is					
Symbol	\$	@	#	%	&
Meaning	>	<	≥	≤	=
Than B					

Statement:

$R \% X @ W; Y \# Z \# S; X \& Z; W \$ U \& Y$

$\rightarrow R \leq X < W; Y \geq Z \geq S; X = Z; W > U = Y$

$\rightarrow W > U = Y \geq Z = X \geq S; X \geq R$

Conclusions:

I. $U \$ X \rightarrow \text{False}$ ($U = Y \geq Z = X$, implies $U \geq X$)

II. $W \# Y \rightarrow \text{False}$ ($W > U = Y$, implies $W > Y$)

III. $S @ R \rightarrow \text{False}$ ($X \geq S; X \geq R$, a relation between S and R cannot be determined)

IV. $W \% Z \rightarrow \text{False}$ ($W > U = Y \geq Z$, implies $W > Z$)

Thus, none of the conclusions is true.

144. Answer: b

Explanation:

According to the given information,

A is					
Symbol	\$	@	#	%	&
Meaning	>	<	≥	≤	=
Than B					

Statement:

$C \# G @ D; I \% E @ F; F \& D; J \$ C \# K$

$\rightarrow C \geq G < D; I \leq E < F; F = D; J > C \geq K$

$\rightarrow I \leq E < F = D; G < D; J > C \geq G; C \geq K$

Conclusions:

I. $J \& K \rightarrow \text{False}$ ($J > C \geq K$, implies $J > K$)

II. $G \$ E \rightarrow \text{False}$ ($G < D; E < D$, relation between G and E cannot be determined.)

III. $K @ J \rightarrow \text{True}$ ($J > C \geq K$, implies $J > K$)

IV. $I @ D \rightarrow \text{True}$ ($I \leq E < F = D$, implies $I < D$)

Hence, conclusion III and conclusion IV are true.

145. Answer: c

Explanation:

According to the given information,

A is					
Symbol	\$	@	#	%	&
Meaning	>	<	≥	≤	=
Than B					

Statement:

$L \% M \# N; O @ Q \% H; H \& M @ R$

$\rightarrow L \leq M \geq N; O < Q \leq H; H = M < R$

$\rightarrow L \leq M; N \leq M; O < Q \leq H = M < R$

Conclusion:

I. $O \$ L \rightarrow \text{False}$ ($L \leq M; O < M$; relation between O and L cannot be determined)

II. $L \% N \rightarrow \text{False}$ ($L \leq M; N \leq M$; relation between L and N cannot be determined)

III. $O \% R \rightarrow \text{False}$ ($O < Q \leq H = M < R$, implies $O < R$)

IV. $L \# O \rightarrow (L \leq M; O < M$; relation between O and L cannot be determined)

Conclusion I and conclusion IV forms a complimentary pair.

Hence, either conclusion I or conclusion IV is true.

146. Answer: a

Explanation:

The codes for the position of Members are as follows:

1) P % R # B @ A © % U

R is 2 m to the East of P, B is 2 m to the South of R, A is 2 m to the West of B, A is 3 m to the North East of U.

2) Q # % B

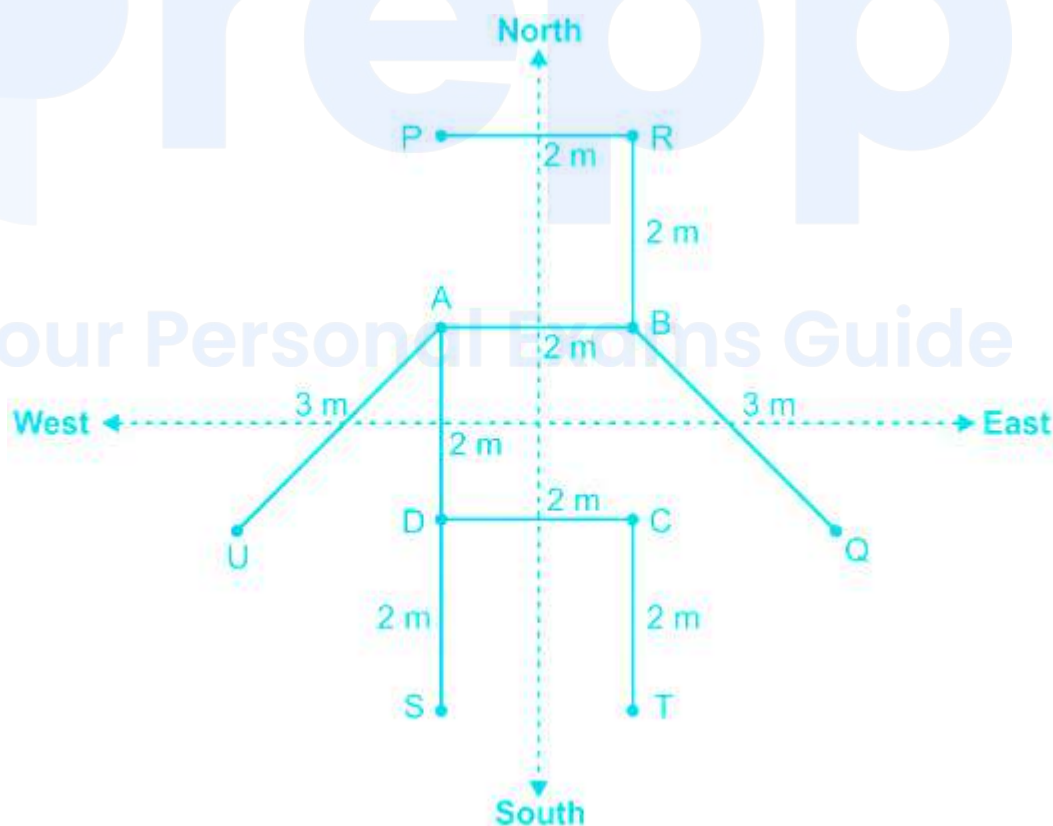
Q is 3 m to the south East of B

3) T © C @ D © A

C is 2 m to the North of T, D is 2 m to the West of C, A is 2 m to the North of D.

4) D # S

S is 2 m to the South of D.



Distance between A and T is:

By applying theorem, $(AT)^2 = (AS)^2 + (ST)^2$

$$(AT)^2 = (AD + DS)^2 + (ST)^2$$

$$(AT)^2 = 4^2 + 2^2 = 16 + 4 = 20$$

$$AT = 2\sqrt{5}$$

Hence, the minimum distance between A and T is $2\sqrt{5}$ m.

147. Answer: d

Explanation:

The codes for the position of Members are as follows:

1) P % R # B @ A © % U

R is 2 m to the East of P, B is 2 m to the South of R, A is 2 m to the West of B, A is 3 m to the North East of U.

2) Q # % B

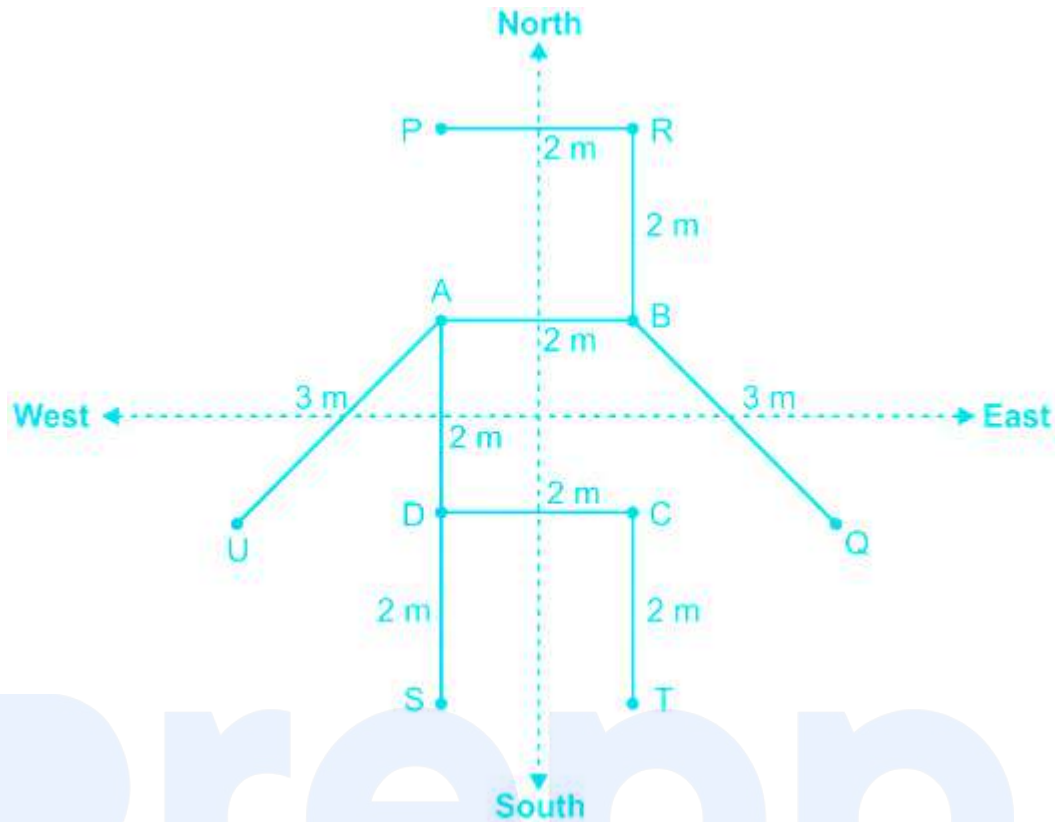
Q is 3 m to the south East of B

3) T © C @ D © A

C is 2 m to the North of T, D is 2 m to the West of C, A is 2 m to the North of D.

4) D # S

S is 2 m to the South of D.



Hence, A, D and S are making a straight line

148. Answer: b

Explanation:

The codes for the position of Members are as follows:

1) P % R # B @ A © % U

R is 2 m to the East of P, B is 2 m to the South of R, A is 2 m to the West of B, A is 3 m to the North East of U.

2) Q # % B

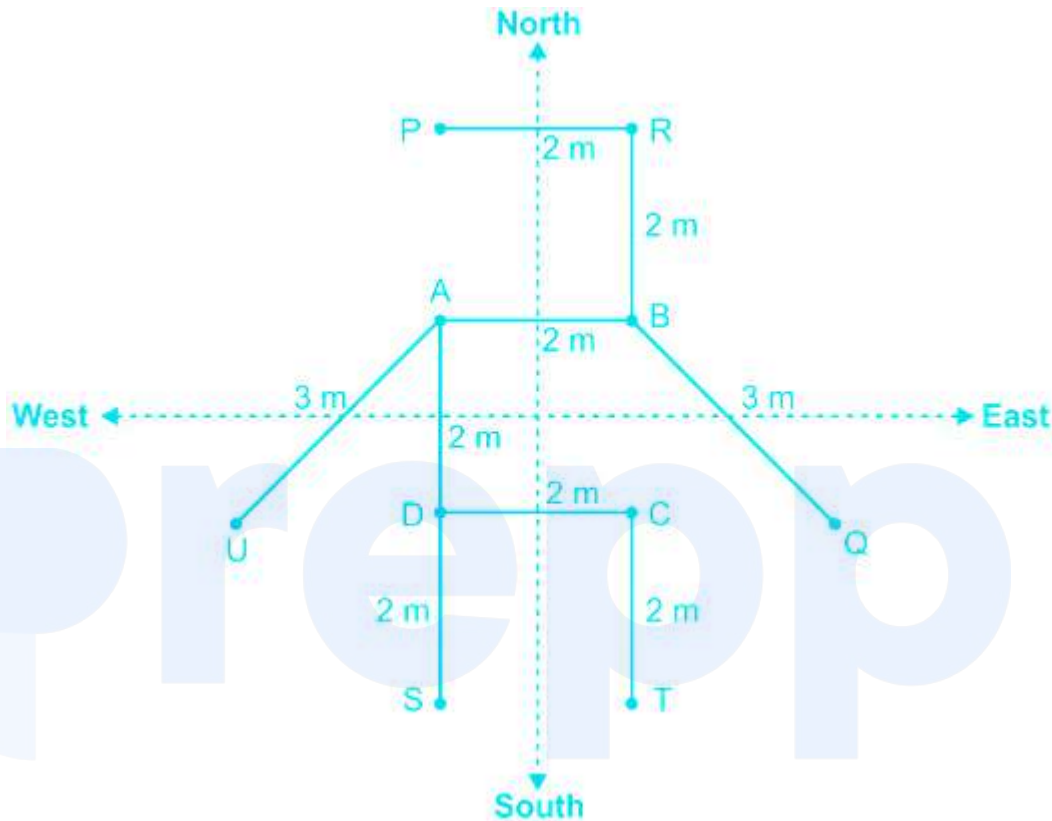
Q is 3 m to the south East of B

3) T © C @ D © A

C is 2 m to the North of T, D is 2 m to the West of C, A is 2 m to the North of D.

4) D # S

S is 2 m to the South of D.



Hence, the total distance between R and Q = $RB + BQ = 2 + 3 = 5$

Therefore, the correct answer is 5 m.

149. Answer: c

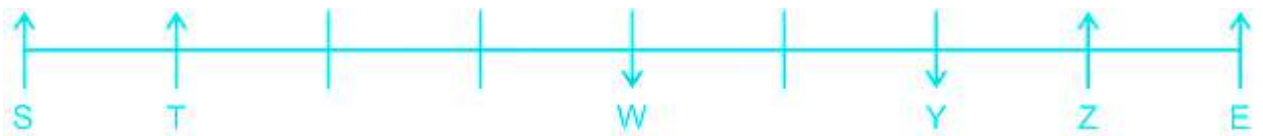
Explanation:

Nine people: U, V, T, Z, S, X, W, Y, and E.

All nine members age is between 35-65, and none of them has the same age.

Now given,

1. W sits in the middle of the row, and one person sits between Y and W.
2. E sits second to left of Y and faces opposite direction with respect to both W and Y.
3. S and T both are immediate neighbors of each other and one of them sits at any extreme end of the row and both face the same direction with respect to E.
4. The number of persons sitting between T and W is the same as the number of persons sitting between Z and W. Z face opposite direction with respect to both U and Y. Not more than 3 persons are facing the south direction

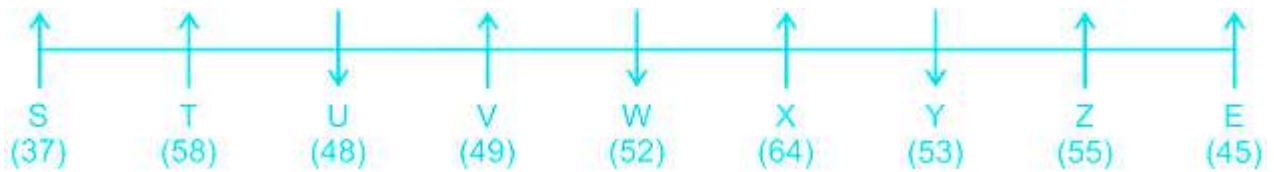


5. U and V are immediate neighbors of each other and difference between both of their ages is one year and the age of one of them is a perfect square of a number which is more than 5.
6. U, who is 48 years old sits third to the left of X. The person who is 55 years old sits sixth to the right of T. E's age is 10 years less than his neighbor.
7. Difference between the ages of Y and T is 5 years and T is older than Y, who is 2 years younger than Z.



8. The number of persons sitting between the one whose age is 37 and one who is sitting immediate right of W is one more than the number of persons sitting between S and U. The age of both the neighbors of W is a perfect square number.
9. One person sits between Z and the person whose age is a perfect square of a number which is more than 6.
10. W's age is 3 years more than V. Difference between the ages of Y and T is 5 years

and T is older than Y, who is 2 years younger than Z. S is the youngest amongst nine.



Clearly, two persons sit to the right of U.

150. Answer: b

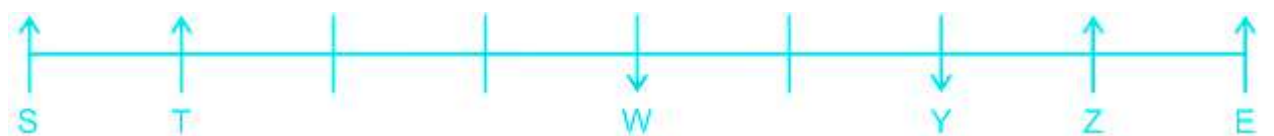
Explanation:

Nine people: U, V, T, Z, S, X, W, Y, and E.

All nine members age is between 35–65, and none of them has the same age.

Now given,

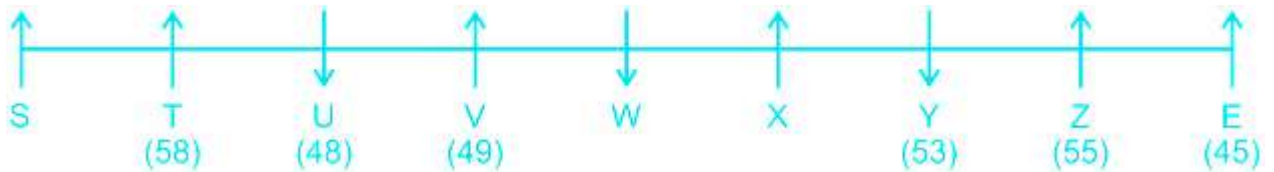
1. W sits in the middle of the row, and one person sits between Y and W.
2. E sits second to left of Y and faces opposite direction with respect to both W and Y.
3. S and T both are immediate neighbors of each other and one of them sits at any extreme end of the row and both face the same direction with respect to E.
4. The number of persons sitting between T and W is the same as the number of persons sitting between Z and W. Z face opposite direction with respect to both U and Y. Not more than 3 persons are facing the south direction



5. U and V are immediate neighbors of each other and difference between both of their ages is one year and the age of one of them is a perfect square of a number which is more than 5.

6. U, who is 48 years old sits third to the left of X. The person who is 55 years old sits sixth to the right of T. E's age is 10 years less than his neighbor.

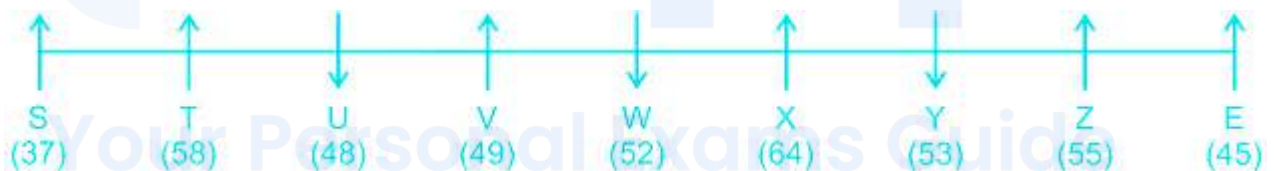
7. Difference between the ages of Y and T is 5 years and T is older than Y, who is 2 years younger than Z.



8. The number of persons sitting between the one whose age is 37 and one who is sitting immediate right of W is one more than the number of persons sitting between S and U. The age of both the neighbors of W is a perfect square number.

9. One person sits between Z and the person whose age is a perfect square of a number which is more than 6.

10. W's age is 3 years more than V. Difference between the ages of Y and T is 5 years and T is older than Y, who is 2 years younger than Z. S is the youngest amongst nine.



Clearly, X and V's ages are a perfect square.

151. Answer: d

Explanation:

Nine people: U, V, T, Z, S, X, W, Y, and E.

All nine members age is between 35–65, and none of them has the same age.

Now given,

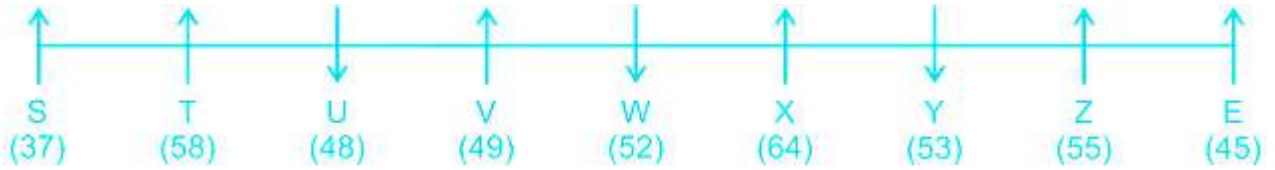
1. W sits in the middle of the row, and one person sits between Y and W.
2. E sits second to left of Y and faces opposite direction with respect to both W and Y.
3. S and T both are immediate neighbors of each other and one of them sits at any extreme end of the row and both face the same direction with respect to E.
4. The number of persons sitting between T and W is the same as the number of persons sitting between Z and W. Z face opposite direction with respect to both U and Y. Not more than 3 persons are facing the south direction



5. U and V are immediate neighbors of each other and difference between both of their ages is one year and the age of one of them is a perfect square of a number which is more than 5.
6. U, who is 48 years old sits third to the left of X. The person who is 55 years old sits sixth to the right of T. E's age is 10 years less than his neighbor.
7. Difference between the ages of Y and T is 5 years and T is older than Y, who is 2 years younger than Z.



8. The number of persons sitting between the one whose age is 37 and one who is sitting immediate right of W is one more than the number of persons sitting between S and U. The age of both the neighbors of W is a perfect square number.
9. One person sits between Z and the person whose age is a perfect square of a number which is more than 6.
10. W's age is 3 years more than V. Difference between the ages of Y and T is 5 years and T is older than Y, who is 2 years younger than Z. S is the youngest amongst nine.



Clearly, there are 4 people sitting between U and Z.

152. Answer: b

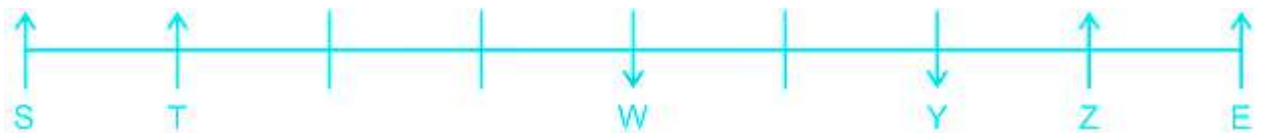
Explanation:

Nine people: U, V, T, Z, S, X, W, Y, and E.

All nine members age is between 35–65, and none of them has the same age.

Now given,

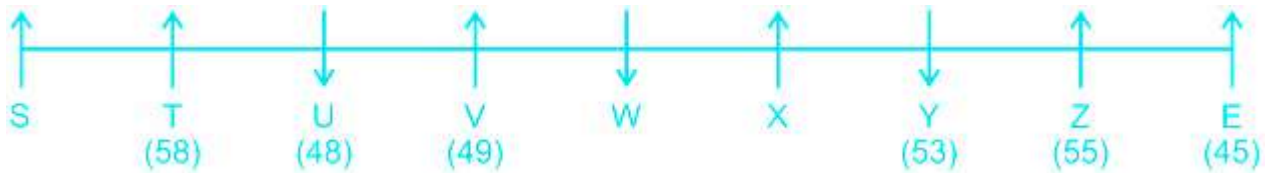
1. W sits in the middle of the row, and one person sits between Y and W.
2. E sits second to left of Y and faces opposite direction with respect to both W and Y.
3. S and T both are immediate neighbors of each other and one of them sits at any extreme end of the row and both face the same direction with respect to E.
4. The number of persons sitting between T and W is the same as the number of persons sitting between Z and W. Z face opposite direction with respect to both U and Y. Not more than 3 persons are facing the south direction



5. U and V are immediate neighbors of each other and difference between both of their ages is one year and the age of one of them is a perfect square of a number which is more than 5.

6. U, who is 48 years old sits third to the left of X. The person who is 55 years old sits sixth to the right of T. E's age is 10 years less than his neighbor.

7. Difference between the ages of Y and T is 5 years and T is older than Y, who is 2 years younger than Z.



8. The number of persons sitting between the one whose age is 37 and one who is sitting immediate right of W is one more than the number of persons sitting between S and U. The age of both the neighbors of W is a perfect square number.

9. One person sits between Z and the person whose age is a perfect square of a number which is more than 6.

10. W's age is 3 years more than V. Difference between the ages of Y and T is 5 years and T is older than Y, who is 2 years younger than Z. S is the youngest amongst nine.



Clearly, T is to the 2nd left of V, similarly Y is to the 2nd left of W so on X is to the 2nd left of Z.

153. Answer: a

Explanation:

Nine people: U, V, T, Z, S, X, W, Y, and E.

All nine members age is between 35–65, and none of them has the same age.

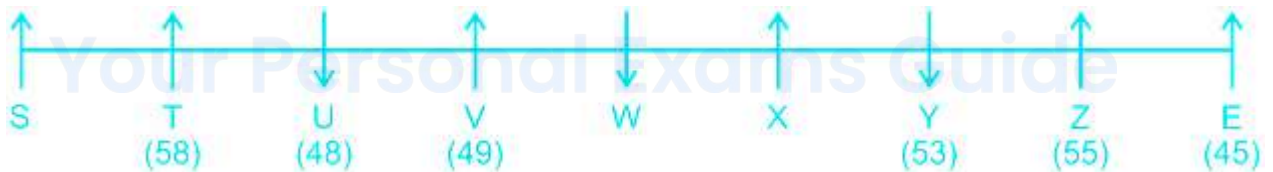
Now given,

1. W sits in the middle of the row, and one person sits between Y and W.

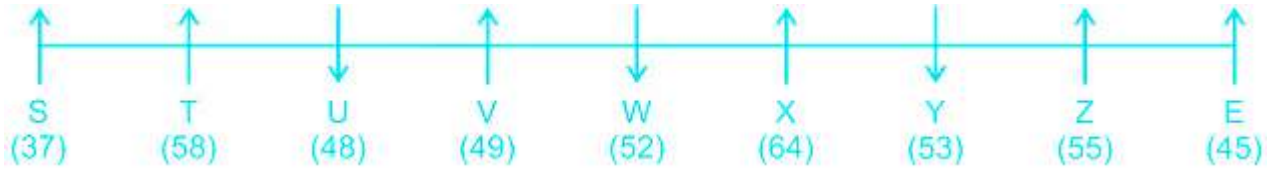
2. E sits second to left of Y and faces opposite direction with respect to both W and Y.
3. S and T both are immediate neighbors of each other and one of them sits at any extreme end of the row and both face the same direction with respect to E.
4. The number of persons sitting between T and W is the same as the number of persons sitting between Z and W. Z face opposite direction with respect to both U and Y. Not more than 3 persons are facing the south direction



5. U and V are immediate neighbors of each other and difference between both of their ages is one year and the age of one of them is a perfect square of a number which is more than 5.
6. U, who is 48 years old sits third to the left of X. The person who is 55 years old sits sixth to the right of T. E's age is 10 years less than his neighbor.
7. Difference between the ages of Y and T is 5 years and T is older than Y, who is 2 years younger than Z.



8. The number of persons sitting between the one whose age is 37 and one who is sitting immediate right of W is one more than the number of persons sitting between S and U. The age of both the neighbors of W is a perfect square number.
9. One person sits between Z and the person whose age is a perfect square of a number which is more than 6.
10. W's age is 3 years more than V. Difference between the ages of Y and T is 5 years and T is older than Y, who is 2 years younger than Z. S is the youngest amongst nine.



Clearly, W, U, and Y are facing south.

154. Answer: d

Explanation:

Persons: A, B, C, D, E, F, G, and H.

Biscuits: Parle G, Nimkin, Krackjack, Golden Arcs, Kreams, Festo, Magix, and Top

Floors: 1 to 8

- 1) The one who likes Parle G lives on floor no. 1.
- 2) The one who likes Krackjack lives on the topmost floor.
- 3) There is only one floor between the one who likes Krackjack and the one who likes Festo.

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Floor	Person	Biscuit
8		Krackjack
7		
6		Festo
5		
4		
3		
2		
1		Parle G

- 4) A lives on an even-numbered floor and likes Kreams.
- 5) A lives above H, who does not live on the first floor but likes Nimkin.
- 6) There are two floors between the one who likes Golden Arcs and H.

Floor	Person	Chocolate
8		Krackjack
7		
6		Festo
5		Golden Arcs
4	A	Kreams
3		
2	H	Nimkin
1		Parle G

- 7) Only one person lives between the one who likes Magix and the one who likes Golden Arcs.
- 8) There are three floors between the floor on which C lives and the floor on which F lives.
- 9) C lives above F and D.
- 10) Neither D nor C like Golden Arcs or Magix.

The only possible case is:

Floor	Person	Chocolate
8		Krackjack
7	C	
6		Festo
5		Golden Arcs
4	A	Kreams
3	F	Magix
2	H	Nimkin
1		Parle G

11) E lives on the floor number which is between D and A.

(D cannot live on floor no 8 due to condition no. 9)

Floor	Person	Chocolate
8		Krackjack
7	C	
6	D	Festo
5	E	Golden Arcs
4	A	Kreams
3	F	Magix
2	H	Nimkin
1		Parle G

12) B does not like Krackjack.

Floor	Person	Chocolate
8	G	Krackjack
7	C	Top
6	D	Festo
5	E	Golden Arcs
4	A	Kreams
3	F	Magix
2	H	Nimkin
1	B	Parle G

Hence, 'C' likes Top.

155. Answer: e

Explanation:

Person: A, B, C, D, E, F, G, and H.

Biscuit: Parle G, Nimkin, Krackjack, Golden Arcs, Kreams, Festo, Magix, and Top

Floor: 1 to 8

- 1) The one who likes Parle G lives on floor no. 1.
- 2) The one who likes Krackjack lives on the topmost floor.
- 3) There is only one floor between the one who likes Krackjack and the one who likes Festo.

Floor	Person	Biscuit
8		Krackjack
7		
6		Festo
5		
4		
3		
2		
1		Parle G

- 4) A lives on an even numbered floor and likes Kreams.
- 5) A lives above H, who does not live on the first floor but likes Nimkin.
- 6) There are two floors between the one who likes Golden Arcs and H.

Floor	Person	Chocolate
8		Krackjack
7		
6		Festo
5		Golden Arcs
4	A	Kreams
3		
2	H	Nimkin
1		Parle G

- 7) Only one person lives between the one who likes Magix and the one who likes Golden Arcs.

8) There are three floors between the floor on which C lives and the floor on which F lives.

9) C lives above F and D.

10) Neither D nor C like Golden Arcs or Magix.

The only possible case is:

Floor	Person	Chocolate
8		Krackjack
7	C	
6		Festo
5		Golden Arcs
4	A	Kreams
3	F	Magix
2	H	Nimkin
1		Parle G

11) E lives on the floor number which is between D and A.

(D cannot live on floor no 8 due to condition no. 9)

Floor	Person	Chocolate
8		Krackjack
7	C	
6	D	Festo
5	E	Golden Arcs
4	A	Kreams
3	F	Magix
2	H	Nimkin
1		Parle G

12) B does not like Krackjack.

Floor	Person	Chocolate
8	G	Krackjack
7	C	Top
6	D	Festo
5	E	Golden Arcs
4	A	Kreams
3	F	Magix
2	H	Nimkin
1	B	Parle G

Hence, '3 – F – Magix' the is the correct answer.

156. Answer: c

Explanation:

Person: A, B, C, D, E, F, G, and H.

Biscuit: Parle G, Nimkin, Krackjack, Golden Arcs, Kreams, Festo, Magix, and Top

Floor: 1 to 8

- 1) The one who likes Parle G lives on floor no. 1.
- 2) The one who likes Krackjack lives on the topmost floor.
- 3) There is only one floor between the one who likes Krackjack and the one who likes Festo.

Floor	Person	Biscuit
8		Krackjack
7		
6		Festo
5		
4		
3		
2		
1		Parle G

- 4) A lives on an even numbered floor and likes Kreams.
- 5) A lives above H, who does not live on the first floor but likes Nimkin.
- 6) There are two floors between the one who likes Golden Arcs and H.

Floor	Person	Chocolate
8		Krackjack
7		
6		Festo
5		Golden Arcs
4	A	Kreams
3		
2	H	Nimkin
1		Parle G

- 7) Only one person lives between the one who likes Magix and the one who likes Golden Arcs.

8) There are three floors between the floor on which C lives and the floor on which F lives.

9) C lives above F and D.

10) Neither D nor C like Golden Arcs or Magix.

The only possible case is:

Floor	Person	Chocolate
8		Krackjack
7	C	
6		Festo
5		Golden Arcs
4	A	Kreams
3	F	Magix
2	H	Nimkin
1		Parle G

11) E lives on the floor number which is between D and A.

(D cannot live on floor no 8 due to condition no. 9)

Floor	Person	Chocolate
8		Krackjack
7	C	
6	D	Festo
5	E	Golden Arcs
4	A	Kreams
3	F	Magix
2	H	Nimkin
1		Parle G

12) B does not like Krackjack.

Floor	Person	Chocolate
8	G	Krackjack
7	C	Top
6	D	Festo
5	E	Golden Arcs
4	A	Kreams
3	F	Magix
2	H	Nimkin
1	B	Parle G

Hence, D likes 'Festo'.

157. Answer: d

Explanation:

Person: A, B, C, D, E, F, G, and H.

Biscuit: Parle G, Nimkin, Krackjack, Golden Arcs, Kreams, Festo, Magix, and Top

Floor: 1 to 8

- 1) The one who likes Parle G lives on floor no. 1.
- 2) The one who likes Krackjack lives on the topmost floor.
- 3) There is only one floor between the one who likes Krackjack and the one who likes Festo.

Floor	Person	Biscuit
8		Krackjack
7		
6		Festo
5		
4		
3		
2		
1		Parle G

- 4) A lives on an even numbered floor and likes Kreams.
- 5) A lives above H, who does not live on the first floor but likes Nimkin.
- 6) There are two floors between the one who likes Golden Arcs and H.

Floor	Person	Chocolate
8		Krackjack
7		
6		Festo
5		Golden Arcs
4	A	Kreams
3		
2	H	Nimkin
1		Parle G

- 7) Only one person lives between the one who likes Magix and the one who likes Golden Arcs.

8) There are three floors between the floor on which C lives and the floor on which F lives.

9) C lives above F and D.

10) Neither D nor C like Golden Arcs or Magix.

The only possible case is:

Floor	Person	Chocolate
8		Krackjack
7	C	
6		Festo
5		Golden Arcs
4	A	Kreams
3	F	Magix
2	H	Nimkin
1		Parle G

11) E lives on the floor number which is between D and A.

(D cannot live on floor no 8 due to condition no. 9)

Floor	Person	Chocolate
8		Krackjack
7	C	
6	D	Festo
5	E	Golden Arcs
4	A	Kreams
3	F	Magix
2	H	Nimkin
1		Parle G

12) B does not like Krackjack.

Floor	Person	Chocolate
8	G	Krackjack
7	C	Top
6	D	Festo
5	E	Golden Arcs
4	A	Kreams
3	F	Magix
2	H	Nimkin
1	B	Parle G

Hence, 'A who likes Kreams', lives on floor no. 4.

158. Answer: c

Explanation:

Person: A, B, C, D, E, F, G, and H.

Biscuit: Parle G, Nimkin, Krackjack, Golden Arcs, Kreams, Festo, Magix, and Top

Floor: 1 to 8

- 1) The one who likes Parle G lives on floor no. 1.
- 2) The one who likes Krackjack lives on the topmost floor.
- 3) There is only one floor between the one who likes Krackjack and the one who likes Festo.

Floor	Person	Biscuit
8		Krackjack
7		
6		Festo
5		
4		
3		
2		
1		Parle G

- 4) A lives on an even numbered floor and likes Kreams.
- 5) A lives above H, who does not live on the first floor but likes Nimkin.
- 6) There are two floors between the one who likes Golden Arcs and H.

Floor	Person	Chocolate
8		Krackjack
7		
6		Festo
5		Golden Arcs
4	A	Kreams
3		
2	H	Nimkin
1		Parle G

- 7) Only one person lives between the one who likes Magix and the one who likes Golden Arcs.

8) There are three floors between the floor on which C lives and the floor on which F lives.

9) C lives above F and D.

10) Neither D nor C like Golden Arcs or Magix.

The only possible case is:

Floor	Person	Chocolate
8		Krackjack
7	C	
6		Festo
5		Golden Arcs
4	A	Kreams
3	F	Magix
2	H	Nimkin
1		Parle G

11) E lives on the floor number which is between D and A.

(D cannot live on floor no 8 due to condition no. 9)

Floor	Person	Chocolate
8		Krackjack
7	C	
6	D	Festo
5	E	Golden Arcs
4	A	Kreams
3	F	Magix
2	H	Nimkin
1		Parle G

12) B does not like Krackjack.

Floor	Person	Chocolate
8	G	Krackjack
7	C	Top
6	D	Festo
5	E	Golden Arcs
4	A	Kreams
3	F	Magix
2	H	Nimkin
1	B	Parle G

Hence, 'five' people live between G and the person who likes Nimkin.

159. Answer: e

Explanation:

Answer: 5. None of them follow.

Solution: Filing a case against the government would not be feasible or viable because the government must have certain reasons to ask the college to allot suitable land for the new department. So, the course of action I does not follow.

Since the new department is part of the college it is inadequate to build it outside the campus and will cause a lot of trouble in management. So, the course of action II also does not follow.

Agreeing to the government's demands without objection is also incorrect because the college authority does have a shortfall of land. So, the course of action III also does not follow.

Therefore, option 5 is the correct answer.

160. **Answer: b**

Explanation:

Answer: 2. Only II follows.

Solution: The caught terrorist can be used to extort information about their organizations and sources, therefore the course of action I does not follow.

The Indian soldiers have done excellent work and they deserve to be honored; so course of action II follows.

Therefore, option 2 is the correct answer.

161. **Answer: c**

Explanation:

Only II is correct. Honoring the Supreme Court verdict, the Kerala government will reserve 25% seats in buses and make separate toilets for women pilgrims. Further,

the state government will expand the existing ghats but not build new ones. Hence, III is wrong. So, option 3 is correct.

162. Answer: a

Explanation:

Only I follow. Since Saudi Arabia has announced aid to help stabilize the country's economy as the Yemeni rial has nearly lost half its value amidst the ongoing war. So, I is not in-line with the given statement. Hence, option 1 is the correct possibility.

163. Answer: b

Explanation:

A progressively drying climate along with unpredictable weather may have caused the evolution of anatomically modern humans. So, maybe the larger brains are the result of evolution due to climate changes. Hence, option 2 is the correct solution.

164. Answer: a

Explanation:

Railways has decided to identify transgender passengers as T in the reservation forms in order to avoid the confusion that was created by the current forms among reservation clerks and travel ticket examiners during authentication. Hence, option 1 is the solution.

165. Answer: b

Explanation:

The correct answer is **option 2** , i.e. **All except I, II is implicit** , i.e. **only III is implicit** .

An assumption is a thing that is accepted as true or as certain to happen, without proof.

Because of the fact that an assumption has to be assumed and must be based on the given statement, (I) is rejected as it provides a factual detail about the history of the overbridge. From the statement, it is evident that no such information regarding its history is mentioned thus, it can be rejected. (II) can be also eliminated as it is just a rephrase of the given set of statements and is not a very good assumption. (III) is a very obvious assumption as one can easily assume that a collapse will definitely be followed by big thud sound as such a massive overbridge has collapsed. As, both the assumptions, i.e. (I) and (II) are relevant they can be rejected.

Thus, based on a general assumption, we can conclude that the most appropriate answer choice is option 2.

166. Answer: a

Explanation:

Given words: STATION and TANGENT

2nd , 3rd , and 6th letters from the first word is: T, A, and O

1st , 3rd , and 5th letters from the second word is: T, N, and E

Combining and un-jumbling the letters we get: NOTATE

Hence, the third letter will be T.

167. Answer: d

Explanation:

- 1) After replacing the consonants and the vowels in the word 'HOUSEWARMING' as required: GPVRFVBQLJMF
- 2) After eliminating the alphabets as required: GPRBQLJM
- 3) After arranging in alphabetical order: BGJLMPQR

Letters	B	G	J	L	M	P	Q	R
Position	2	7	10	12	13	16	17	18

Forward direction: 4 pairs (LM, PQ, PR, QR)

Backward direction: no pair

Hence, there are only four such pairs which have as many letters between them in the word as they have between them in the English alphabetical series.

168. Answer: b

Explanation:

5 teachers: Jyoti, Kusum, Rajni, Neha, and Priyanka

5 subjects: Hindi, English, Mathematics, Geography and History

- 1) The one who takes the class of Hindi takes the last lecture.
- 2) Three classes are scheduled between the Class of Jyoti and the Class of Rajni who does not take the class of Hindi.

Time Slot	Subject	Teacher
10 am – 11 am		Rajni
11 am – 12 pm		
12 pm – 1 pm		
1 pm – 2 pm		
2 pm – 3 pm	Hindi	Jyoti

3) Kusum takes the class of Geography but after Neha.

Case 1:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am		Rajni
11 am – 12 pm		Neha
12 pm – 1 pm	Geography	Kusum
1 pm – 2 pm		Priyanka
2 pm – 3 pm	Hindi	Jyoti

Case 2:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am		Rajni
11 am – 12 pm		Neha
12 pm – 1 pm		Priyanka
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Case 3:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am		Rajni
11 am – 12 pm		Priyanka
12 pm – 1 pm		Neha
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

4) Mathematics class is scheduled before English but not in the slot of 11-12 pm.

Case 1a:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	English	Neha
12 pm – 1 pm	Geography	Kusum
1 pm – 2 pm	History	Priyanka
2 pm – 3 pm	Hindi	Jyoti

Case 1b:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Neha
12 pm – 1 pm	Geography	Kusum
1 pm – 2 pm	English	Priyanka
2 pm – 3 pm	Hindi	Jyoti

Case 2a:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	English	Neha
12 pm – 1 pm	History	Priyanka
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Case 2b:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Neha
12 pm – 1 pm	English	Priyanka
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Case 3a:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	English	Priyanka
12 pm – 1 pm	History	Neha
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Case 3b:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Priyanka
12 pm – 1 pm	English	Neha
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

5) Kusum takes her class exactly between the class taken by Jyoti and class of English.

Therefore, cases 1a, 1b, 2a and 3a get eliminated.

6) Only one class is scheduled between the Class of Mathematics and the Class of English.

7) Only one class is scheduled between the Class of History and the class of Geography.

Case 2b:

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Neha
12 pm – 1 pm	English	Priyanka
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Case 3b:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Priyanka
12 pm – 1 pm	English	Neha
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

8) Priyanka does not take the class of History.

Therefore, case 3b gets eliminated.

This is the final arrangement.

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Neha
12 pm – 1 pm	English	Priyanka
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Hence, the lecture of Geography is scheduled between the lecture of Hindi and Lecture of English.

169. **Answer: c**

Explanation:

5 teachers: Jyoti, Kusum, Rajni, Neha, and Priyanka

5 subjects: Hindi, English, Mathematics, Geography and History

1) The one who takes the class of Hindi takes the last lecture.

2) Three classes are scheduled between the Class of Jyoti and the Class of Rajni who does not take the class of Hindi.

Time Slot	Subject	Teacher
10 am – 11 am		Rajni
11 am – 12 pm		
12 pm – 1 pm		
1 pm – 2 pm		
2 pm – 3 pm	Hindi	Jyoti

3) Kusum takes the class of Geography but after Neha.

Case 1:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am		Rajni
11 am – 12 pm		Neha
12 pm – 1 pm	Geography	Kusum
1 pm – 2 pm		Priyanka
2 pm – 3 pm	Hindi	Jyoti

Case 2:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am		Rajni
11 am – 12 pm		Neha
12 pm – 1 pm		Priyanka
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Case 3:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am		Rajni
11 am – 12 pm		Priyanka
12 pm – 1 pm		Neha
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

4) Mathematics class is scheduled before English but not in the slot of 11-12 pm.

Case 1a:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	English	Neha
12 pm – 1 pm	Geography	Kusum
1 pm – 2 pm	History	Priyanka
2 pm – 3 pm	Hindi	Jyoti

Case 1b:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Neha
12 pm – 1 pm	Geography	Kusum
1 pm – 2 pm	English	Priyanka
2 pm – 3 pm	Hindi	Jyoti

Case 2a:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	English	Neha
12 pm – 1 pm	History	Priyanka
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Case 2b:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Neha
12 pm – 1 pm	English	Priyanka
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Case 3a:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	English	Priyanka
12 pm – 1 pm	History	Neha
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Case 3b:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Priyanka
12 pm – 1 pm	English	Neha
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

5) Kusum takes her class exactly between the class taken by Jyoti and class of English.

Therefore, cases 1a, 1b, 2a and 3a get eliminated.

6) Only one class is scheduled between the Class of Mathematics and the Class of English.

7) Only one class is scheduled between the Class of History and the class of Geography.

Case 2b:

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Neha
12 pm – 1 pm	English	Priyanka
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Case 3b:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Priyanka
12 pm – 1 pm	English	Neha
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

8) Priyanka does not take the class of History.

Therefore, case 3b gets eliminated.

This is the final arrangement.

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Neha
12 pm – 1 pm	English	Priyanka
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Hence, Neha takes the class which is scheduled immediately after the class of Mathematics.

170. **Answer: b**

Explanation:

5 teachers: Jyoti, Kusum, Rajni, Neha, and Priyanka

5 subjects: Hindi, English, Mathematics, Geography and History

1) The one who takes a class of Hindi takes the last lecture.

2) Three classes are scheduled between the Class of Jyoti and the Class of Rajni who does not take the class of Hindi.

Time Slot	Subject	Teacher
10 am – 11 am		Rajni
11 am – 12 pm		
12 pm – 1 pm		
1 pm – 2 pm		
2 pm – 3 pm	Hindi	Jyoti

3) Kusum takes the class of Geography but after Neha.

Case I:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am		Rajni
11 am – 12 pm		Neha
12 pm – 1 pm	Geography	Kusum
1 pm – 2 pm		Priyanka
2 pm – 3 pm	Hindi	Jyoti

Case 2:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am		Rajni
11 am – 12 pm		Neha
12 pm – 1 pm		Priyanka
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Case 3:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am		Rajni
11 am – 12 pm		Priyanka
12 pm – 1 pm		Neha
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

4) Mathematics class scheduled before English but not in the slot of 11-12 pm.

Case 1a:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	English	Neha
12 pm – 1 pm	Geography	Kusum
1 pm – 2 pm	History	Priyanka
2 pm – 3 pm	Hindi	Jyoti

Case 1b:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Neha
12 pm – 1 pm	Geography	Kusum
1 pm – 2 pm	English	Priyanka
2 pm – 3 pm	Hindi	Jyoti

Case 2a:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	English	Neha
12 pm – 1 pm	History	Priyanka
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Case 2b:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Neha
12 pm – 1 pm	English	Priyanka
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Case 3a:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	English	Priyanka
12 pm – 1 pm	History	Neha
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Case 3b:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Priyanka
12 pm – 1 pm	English	Neha
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

5) Kusum takes her class exactly between the class taken by Jyoti and class of English.

Therefore, cases 1a, 1b, 2a and 3a get eliminated.

6) Only one class is scheduled between the Class of Mathematics and the Class of English.

7) Only one class is scheduled between the Class of History and the class of Geography.

Case 2b:

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Neha
12 pm – 1 pm	English	Priyanka
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Case 3b:

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Priyanka
12 pm – 1 pm	English	Neha
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

8) Priyanka does not take the class of History.

Therefore, case 3b gets eliminated.

This is the final arrangement.

Your Personal Exams Guide

Time Slot	Subject	Teacher
10 am – 11 am	Mathematics	Rajni
11 am – 12 pm	History	Neha
12 pm – 1 pm	English	Priyanka
1 pm – 2 pm	Geography	Kusum
2 pm – 3 pm	Hindi	Jyoti

Hence, 2 lectures are scheduled between the class of Geography and the class of Mathematics.

171. Answer: d

Explanation:

9 people: P, Q, R, S, T, U, V, W and X

Months: June, August, December

Years: 1992, 1993, 1994

1) P bought his car in the month which has less than 31 days but before V who bought his car in the same month in which P bought his car.

Case 1:

	June (30 days)	August (31 days)	December (31 days)
1992	P		
1993	V		
1994			

Case 2:

	June (30 days)	August (31 days)	December (31 days)
1992	P		
1993			
1994	V		

Case 3:

	June (30 days)	August (31 days)	December (31 days)
1992			
1993	P		
1994	V		

- 2) W and Q bought their cars in the same month but not in the year 1992.
- 3) Neither W nor S bought a car in August.
- 4) The number of days in the month in which R bought a car is a prime number.
- 5) The year in which R bought a car is not an even number.

Case 1:

	June (30 days)	August (31 days)	December (31 days)
1992	P		
1993	V	R	w/Q
1994			w/Q

Case 2:

	June (30 days)	August (31 days)	December (31 days)
1992	P		
1993		R	w/Q
1994	V		w/Q

Case 3:

	June (30 days)	August (31 days)	December (31 days)
1992			
1993	P	R	w/Q
1994	V		w/Q

6) T bought a car before U and both of them bought cars in the same month.

7) S bought a car before X but not in the same month in which P bought his car.

Therefore, case 3 gets eliminated.

8) Both Q and U bought their car in the same year.

Case 1:

	June (30 days)	August (31 days)	December (31 days)
1992	P	T	S
1993	V	R	W
1994	X	U	Q

Case 2:

	June (30 days)	August (31 days)	December (31 days)
1992	P	T	S
1993	X	R	W
1994	V	U	Q

9) X is married to R and bought a car after her.

Therefore, case 2 gets eliminated.

	June (30 days)	August (31 days)	December (31 days)
1992	P	T	S
1993	V	R	W
1994	X	U	Q

10) R and S are siblings.

From 9), we know that R is a female.

11) R is the only daughter of P.

From 7) we know that P is a male.

Therefore, we can conclude that S is male.

12) S, the only son of W is married to the younger sister of T and has only one child.

13) It is given that Q is the grandson of W but not a son of R.

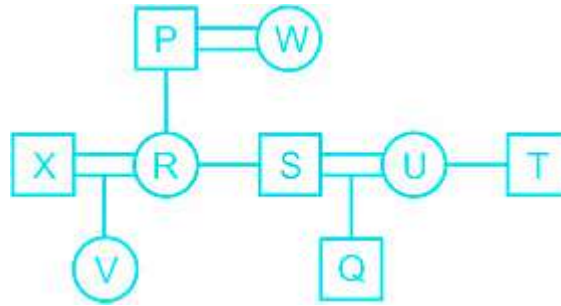
Therefore, Q is the son of S.

14) W is the grandmother of V who is the only unmarried female in the family.

Therefore, V is the daughter of R.

15) The family has more males than females.

Therefore, T is male.



16) Q is sitting at one of the ends in the row facing north.

17) V is sitting fourth to the left of Q.

18) X is the immediate neighbour of Q.

19) Only four persons are sitting between X and W.



20) T and R are immediate neighbours of each other but neither of them is sitting at the extreme ends.

21) R is the neighbour of V.

22) W and S are not neighbours.

23) Only one person sits at the left of U.



Hence, V who is the daughter of X bought a car in the same month as X.

172. Answer: d

Explanation:

9 people: P, Q, R, S, T, U, V, W and X

Months: June, August, December

Years: 1992, 1993, 1994

1) P bought his car in the month which has less than 31 days but before V who bought his car in the same month in which P bought his car.

Case 1:

	June (30 days)	August (31 days)	December (31 days)
1992 P			
1993 V			
1994			

Case 2:

	June (30 days)	August (31 days)	December (31 days)
1992 P			
1993			
1994 V			

Case 3:

	June (30 days)	August (31 days)	December (31 days)
1992			
1993	P		
1994	V		

- 2) W and Q bought their cars in the same month but not in the year 1992.
- 3) Neither W nor S bought a car in August.
- 4) The number of days in the month in which R bought a car is a prime number.
- 5) The year in which R bought a car is not an even number.

Case 1:

	June (30 days)	August (31 days)	December (31 days)
1992	P		
1993	V	R	W/Q
1994			W/Q

Case 2:

	June (30 days)	August (31 days)	December (31 days)
1992	P		
1993		R	w/Q
1994	V		w/Q

Case 3:

	June (30 days)	August (31 days)	December (31 days)
1992			
1993	P	R	w/Q
1994	V		w/Q

6) T bought a car before U and both of them bought cars in the same month.

7) S bought a car before X but not in the same month in which P bought his car.

Therefore, case 3 gets eliminated.

8) Both Q and U bought their car in the same year.

Case 1:

	June (30 days)	August (31 days)	December (31 days)
1992	P	T	S
1993	V	R	W
1994	X	U	Q

Case 2:

	June (30 days)	August (31 days)	December (31 days)
1992	P	T	S
1993	X	R	W
1994	V	U	Q

9) X is married to R and bought a car after her.

Therefore, case 2 gets eliminated.

	June (30 days)	August (31 days)	December (31 days)
1992	P	T	S
1993	V	R	W
1994	X	U	Q

10) R and S are siblings.

From 9), we know that R is a female.

11) R is the only daughter of P.

From 7) we know that P is a male.

Therefore, we can conclude that S is male.

12) S, the only son of W is married to the younger sister of T and has only one child.

13) It is given that Q is the grandson of W but not a son of R.

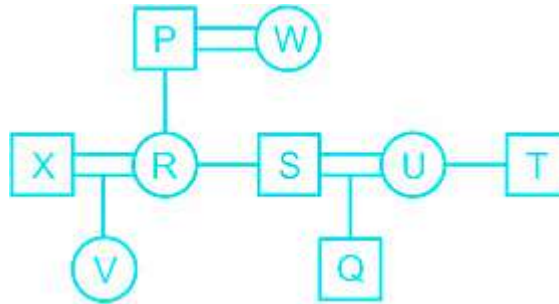
Therefore, Q is the son of S.

14) W is the grandmother of V who is the only unmarried female in the family.

Therefore, V is the daughter of R.

15) The family has more males than females.

Therefore, T is male.



16) Q is sitting at one of the ends in the row facing north.

17) V is sitting fourth to the left of Q.

18) X is the immediate neighbour of Q.

19) Only four persons are sitting between X and W.



20) T and R are immediate neighbours of each other but neither of them is sitting at the extreme ends.

21) R is the neighbour of V.

22) W and S are not neighbours.

23) Only one person sits at the left of U.



Hence, 4 persons are sitting between R and S and S bought his car in December 1992.

173. Answer: d

Explanation:

9 people: P, Q, R, S, T, U, V, W and X

Months: June, August, December

Years: 1992, 1993, 1994

1) P bought his car in the month which has less than 31 days but before V who bought his car in the same month in which P bought his car.

Case 1:

	June (30 days)	August (31 days)	December (31 days)
1992 P			
1993 V			
1994			

Case 2:

	June (30 days)	August (31 days)	December (31 days)
1992 P			
1993			
1994 V			

Case 3:

	June (30 days)	August (31 days)	December (31 days)
1992			
1993	P		
1994	V		

2) W and Q bought their cars in the same month but not in the year 1992.

3) Neither W nor S bought a car in August.

4) The number of days in the month in which R bought a car is a prime number.

5) The year in which R bought a car is not an even number.

Case 1:

	June (30 days)	August (31 days)	December (31 days)
1992	P		
1993	V	R	W/Q
1994			W/Q

Case 2:

	June (30 days)	August (31 days)	December (31 days)
1992	P		
1993		R	w/Q
1994	V		w/Q

Case 3:

	June (30 days)	August (31 days)	December (31 days)
1992			
1993	P	R	w/Q
1994	V		w/Q

6) T bought a car before U and both of them bought cars in the same month.

7) S bought a car before X but not in the same month in which P bought his car.

Therefore, case 3 gets eliminated.

8) Both Q and U bought their car in the same year.

Case 1:

	June (30 days)	August (31 days)	December (31 days)
1992	P	T	S
1993	V	R	W
1994	X	U	Q

Case 2:

	June (30 days)	August (31 days)	December (31 days)
1992	P	T	S
1993	X	R	W
1994	V	U	Q

9) X is married to R and bought a car after her.

Therefore, case 2 gets eliminated.

	June (30 days)	August (31 days)	December (31 days)
1992	P	T	S
1993	V	R	W
1994	X	U	Q

10) R and S are siblings.

From 9), we know that R is a female.

11) R is the only daughter of P.

From 7) we know that P is a male.

Therefore, we can conclude that S is male.

12) S, the only son of W is married to the younger sister of T and has only one child.

13) It is given that Q is the grandson of W but not a son of R.

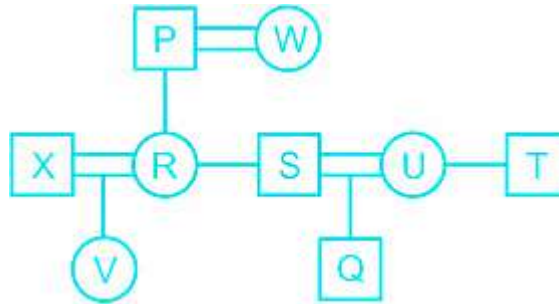
Therefore, Q is the son of S.

14) W is the grandmother of V who is the only unmarried female in the family.

Therefore, V is the daughter of R.

15) The family has more males than females.

Therefore, T is male.



16) Q is sitting at one of the ends in the row facing north.

17) V is sitting fourth to the left of Q.

18) X is the immediate neighbour of Q.

19) Only four persons are sitting between X and W.



20) T and R are immediate neighbours of each other but neither of them is sitting at the extreme ends.

21) R is the neighbour of V.

22) W and S are not neighbours.

23) Only one person sits at the left of U.



Hence, U bought his car in 1994 and V is sitting third to the right of U.

174. Answer: c

Explanation:

9 people: P, Q, R, S, T, U, V, W and X

Months: June, August, December

Years: 1992, 1993, 1994

1) P bought his car in the month which has less than 31 days but before V who bought his car in the same month in which P bought his car.

Case 1:

	June (30 days)	August (31 days)	December (31 days)
1992 P			
1993 V			
1994			

Case 2:

	June (30 days)	August (31 days)	December (31 days)
1992 P			
1993			
1994 V			

Case 3:

	June (30 days)	August (31 days)	December (31 days)
1992			
1993	P		
1994	V		

- 2) W and Q bought their cars in the same month but not in the year 1992.
- 3) Neither W nor S bought a car in August.
- 4) The number of days in the month in which R bought a car is a prime number.
- 5) The year in which R bought a car is not an even number.

Case 1:

	June (30 days)	August (31 days)	December (31 days)
1992	P		
1993	V	R	W/Q
1994			W/Q

Case 2:

	June (30 days)	August (31 days)	December (31 days)
1992	P		
1993		R	w/Q
1994	V		w/Q

Case 3:

	June (30 days)	August (31 days)	December (31 days)
1992			
1993	P	R	w/Q
1994	V		w/Q

6) T bought a car before U and both of them bought cars in the same month.

7) S bought a car before X but not in the same month in which P bought his car.

Therefore, case 3 gets eliminated.

8) Both Q and U bought their car in the same year.

Case 1:

	June (30 days)	August (31 days)	December (31 days)
1992	P	T	S
1993	V	R	W
1994	X	U	Q

Case 2:

	June (30 days)	August (31 days)	December (31 days)
1992	P	T	S
1993	X	R	W
1994	V	U	Q

9) X is married to R and bought a car after her.

Therefore, case 2 gets eliminated.

	June (30 days)	August (31 days)	December (31 days)
1992	P	T	S
1993	V	R	W
1994	X	U	Q

10) R and S are siblings.

From 9), we know that R is a female.

11) R is the only daughter of P.

From 7) we know that P is a male.

Therefore, we can conclude that S is male.

12) S, the only son of W is married to the younger sister of T and has only one child.

13) It is given that Q is the grandson of W but not a son of R.

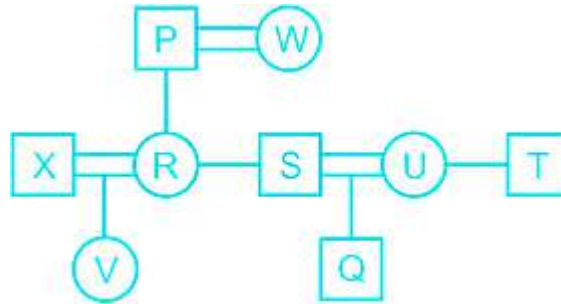
Therefore, Q is the son of S.

14) W is the grandmother of V who is the only unmarried female in the family.

Therefore, V is the daughter of R.

15) The family has more males than females.

Therefore, T is male.



16) Q is sitting at one of the ends in the row facing north.

17) V is sitting fourth to the left of Q.

18) X is the immediate neighbour of Q.

19) Only four persons are sitting between X and W.



20) T and R are immediate neighbours of each other but neither of them is sitting at the extreme ends.

21) R is the neighbour of V.

22) W and S are not neighbours.

23) Only one person sits at the left of U.



Hence, V is the niece of S and 3 persons are sitting between them.

175. Answer: d

Explanation:

9 people: P, Q, R, S, T, U, V, W and X

Months: June, August, December

Years: 1992, 1993, 1994

1) P bought his car in the month which has less than 31 days but before V who bought his car in the same month in which P bought his car.

Case 1:

	June (30 days)	August (31 days)	December (31 days)
1992 P			
1993 V			
1994			

Case 2:

	June (30 days)	August (31 days)	December (31 days)
1992 P			
1993			
1994 V			

Case 3:

	June (30 days)	August (31 days)	December (31 days)
1992			
1993	P		
1994	V		

- 2) W and Q bought their cars in the same month but not in the year 1992.
- 3) Neither W nor S bought a car in August.
- 4) The number of days in the month in which R bought a car is a prime number.
- 5) The year in which R bought a car is not an even number.

Case 1:

	June (30 days)	August (31 days)	December (31 days)
1992	P		
1993	V	R	W/Q
1994			W/Q

Case 2:

	June (30 days)	August (31 days)	December (31 days)
1992	P		
1993		R	w/Q
1994	V		w/Q

Case 3:

	June (30 days)	August (31 days)	December (31 days)
1992			
1993	P	R	w/Q
1994	V		w/Q

6) T bought a car before U and both of them bought cars in the same month.

7) S bought a car before X but not in the same month in which P bought his car.

Therefore, case 3 gets eliminated.

8) Both Q and U bought their car in the same year.

Case 1:

	June (30 days)	August (31 days)	December (31 days)
1992	P	T	S
1993	V	R	W
1994	X	U	Q

Case 2:

	June (30 days)	August (31 days)	December (31 days)
1992	P	T	S
1993	X	R	W
1994	V	U	Q

9) X is married to R and bought a car after her.

Therefore, case 2 gets eliminated.

	June (30 days)	August (31 days)	December (31 days)
1992	P	T	S
1993	V	R	W
1994	X	U	Q

10) R and S are siblings.

From 9), we know that R is a female.

11) R is the only daughter of P.

From 7) we know that P is a male.

Therefore, we can conclude that S is male.

12) S, the only son of W is married to the younger sister of T and has only one child.

13) It is given that Q is the grandson of W but not a son of R.

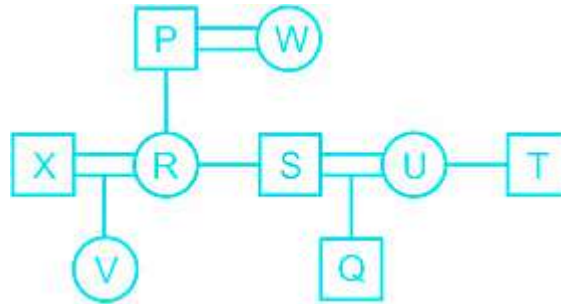
Therefore, Q is the son of S.

14) W is the grandmother of V who is the only unmarried female in the family.

Therefore, V is the daughter of R.

15) The family has more males than females.

Therefore, T is male.

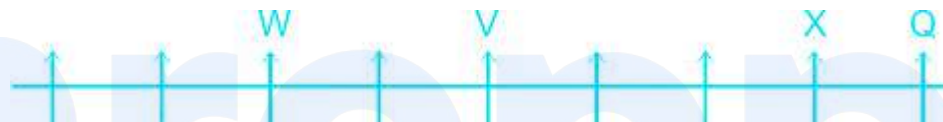


16) Q is sitting at one of the ends in the row facing north.

17) V is sitting fourth to the left of Q.

18) X is the immediate neighbour of Q.

19) Only four persons are sitting between X and W.



20) T and R are immediate neighbours of each other but neither of them is sitting at the extreme ends.

21) R is the neighbour of V.

22) W and S are not neighbours.

23) Only one person sits at the left of U.



Hence, U is the daughter-in-law of P and only 1 person is sitting between them.

176. Answer: d

Explanation:

Eight boxes: A, B, C, D, E, F, G, and H

They contain different numbers of pencils each number being a multiple of 10.

The box which has the highest number of pencils has less than 100 pencils in the box.

Hence, the number of pencils in the boxes can be 10, 20, 30, 40, 50, 60, 70, 80, and 90, but as there are only eight boxes, one quantity will be eliminated.

- 1) Only two boxes are placed between box C and Box B which has pencils whose count is a multiple of 16.
- 2) Only one box is placed between Box G and Box B.
- 3) Only four boxes are placed between box C and Box G.
- 4) Box G is placed somewhere below Box C.

Boxes	Number of pencils
C	
B	80
G	

- 5) Box F is an immediate neighbour of Box B which is placed somewhere above G.
- 6) Only three boxes are placed between Box H and Box D which is placed immediately above Box B.

Boxes	Number of pencils
H	
C	
D	
B	80
F	
G	

- 7) Box E is placed two places above Box A which has 40 pencils.
- 8) Box A is exactly placed between Box C and Box D which has the lowest number of pencils.
- 9) Box E is not placed at the top.

Boxes	Number of pencils
H	
E	
C	
A	40
D	
B	80
F	
G	

10) Box C has the second largest number of pencils. (If the maximum number of pencils in the box was 90, the second-largest number would be 80 but Box B has 80 pencils and it is not the box with the second largest number of pencils).

Hence, Box C contains 70 pencils in it.

11) Only Box G and Box H have pencils each of whose count is a multiple of 3 and H has more pencils than G. (Multiples of 3 and 10 between 10 and 80 are 30 and 60. Also, H has more pencils than G, therefore, Box H contains 60 pencils and Box G contains 30 pencils).

Boxes	Number of pencils
H	60
E	
C	70
A	40
D	
B	80
F	
G	30

12) Box D has the lowest number of pencils. (here the lowest number of pencils will be 10, hence box D has 10 pencils).

13) Box F has more pencils than Box E. (as the only available values are 20 and 50, Box F should contain 50 pencils and Box E should contain 20 pencils in it.)

Boxes	Number of pencils
H	60
E	20
C	70
A	40
D	10
B	80
F	50
G	30

Hence, Box H is placed immediately above Box E and it contains 60 pencils in it.

177. **Answer: a**

Explanation:

Eight boxes: A, B, C, D, E, F, G, and H

They contain different numbers of pencils each number being a multiple of 10.

The box which has the highest number of pencils has less than 100 pencils in the box.

Hence, the number of pencils in the boxes can be 10, 20, 30, 40, 50, 60, 70, 80, and 90, but as there are only eight boxes, one quantity will be eliminated.

1) Only two boxes are placed between box C and Box B which has pencils whose count is a multiple of 16.

2) Only one box is placed between Box G and Box B.

3) Only four boxes are placed between box C and Box G.

4) Box G is placed somewhere below Box C.

Boxes	Number of pencils
C	
B	80
G	

5) Box F is an immediate neighbour of Box B which is placed somewhere above G.

6) Only three boxes are placed between Box H and Box D which is placed immediately above Box B.

Boxes	Number of pencils
H	
C	
D	
B	80
F	
G	

7) Box E is placed two places above Box A which has 40 pencils.

8) Box A is exactly placed between Box C and Box D which has the lowest number of pencils.

9) Box E is not placed at the top.

Boxes	Number of pencils
H	
E	
C	
A	40
D	
B	80
F	
G	

10) Box C has the second largest number of pencils. (If the maximum number of pencils in the box was 90, the second-largest number would be 80 but Box B has 80 pencils and it is not the box with the second largest number of pencils).

Hence, Box C contains 70 pencils in it.

11) Only Box G and Box H have pencils each of whose count is a multiple of 3 and H has more pencils than G. (Multiples of 3 and 10 between 10 and 80 are 30 and 60. Also, H has more pencils than G, therefore, Box H contains 60 pencils and Box G contains 30 pencils).

Boxes	Number of pencils
H	60
E	
C	70
A	40
D	
B	80
F	
G	30

12) Box D has the lowest number of pencils. (here the lowest number of pencils will be 10, hence box D has 10 pencils).

13) Box F has more pencils than Box E. (as the only available values are 20 and 50, Box F should contain 50 pencils and Box E should contain 20 pencils in it.)

Boxes	Number of pencils
H	60
E	20
C	70
A	40
D	10
B	80
F	50
G	30

Hence, only one box is placed between box F and box D.

178. Answer: d

Explanation:

Eight boxes: A, B, C, D, E, F, G, and H

They contain different numbers of pencils each number being a multiple of 10.

The box which has the highest number of pencils has less than 100 pencils in the box.

Hence, the number of pencils in the boxes can be 10, 20, 30, 40, 50, 60, 70, 80, and 90, but as there are only eight boxes, one quantity will be eliminated.

1) Only two boxes are placed between box C and Box B which has pencils whose count is a multiple of 16.

2) Only one box is placed between Box G and Box B.

3) Only four boxes are placed between box C and Box G.

4) Box G is placed somewhere below Box C.

Boxes	Number of pencils
C	
B	80
G	

5) Box F is an immediate neighbour of Box B which is placed somewhere above G.

6) Only three boxes are placed between Box H and Box D which is placed immediately above Box B.

Boxes	Number of pencils
H	
C	
D	
B	80
F	
G	

7) Box E is placed two places above Box A which has 40 pencils.

8) Box A is exactly placed between Box C and Box D which has the lowest number of pencils.

9) Box E is not placed at the top.

Boxes	Number of pencils
H	
E	
C	
A	40
D	
B	80
F	
G	

10) Box C has the second largest number of pencils. (If the maximum number of pencils in the box was 90, the second-largest number would be 80 but Box B has 80 pencils and it is not the box with the second largest number of pencils).

Hence, Box C contains 70 pencils in it.

11) Only Box G and Box H have pencils each of whose count is a multiple of 3 and H has more pencils than G. (Multiples of 3 and 10 between 10 and 80 are 30 and 60. Also, H has more pencils than G, therefore, Box H contains 60 pencils and Box G contains 30 pencils).

Boxes	Number of pencils
H	60
E	
C	70
A	40
D	
B	80
F	
G	30

12) Box D has the lowest number of pencils. (here the lowest number of pencils will be 10, hence box D has 10 pencils).

13) Box F has more pencils than Box E. (as the only available values are 20 and 50, Box F should contain 50 pencils and Box E should contain 20 pencils in it.)

Boxes	Number of pencils
H	60
E	20
C	70
A	40
D	10
B	80
F	50
G	30

Hence, box F has the fourth-largest number of pencils.

179. Answer: c

Explanation:

Eight boxes: A, B, C, D, E, F, G, and H

They contain different numbers of pencils each number being a multiple of 10.

The box which has the highest number of pencils has less than 100 pencils in the box.

Hence, the number of pencils in the boxes can be 10, 20, 30, 40, 50, 60, 70, 80, and 90, but as there are only eight boxes, one quantity will be eliminated.

- 1) Only two boxes are placed between box C and Box B which has pencils whose count is a multiple of 16.
- 2) Only one box is placed between Box G and Box B.
- 3) Only four boxes are placed between box C and Box G.
- 4) Box G is placed somewhere below Box C.

Boxes	Number of pencils
C	
B	80
G	

- 5) Box F is an immediate neighbour of Box B which is placed somewhere above G.
- 6) Only three boxes are placed between Box H and Box D which is placed immediately above Box B.

Boxes	Number of pencils
H	
C	
D	
B	80
F	
G	

- 7) Box E is placed two places above Box A which has 40 pencils.
- 8) Box A is exactly placed between Box C and Box D which has the lowest number of pencils.
- 9) Box E is not placed at the top.

Boxes	Number of pencils
H	
E	
C	
A	40
D	
B	80
F	
G	

10) Box C has the second largest number of pencils. (If the maximum number of pencils in the box was 90, the second-largest number would be 80 but Box B has 80 pencils and it is not the box with the second largest number of pencils).

Hence, Box C contains 70 pencils in it.

11) Only Box G and Box H have pencils each of whose count is a multiple of 3 and H has more pencils than G. (Multiples of 3 and 10 between 10 and 80 are 30 and 60. Also, H has more pencils than G, therefore, Box H contains 60 pencils and Box G contains 30 pencils).

Boxes	Number of pencils
H	60
E	
C	70
A	40
D	
B	80
F	
G	30

12) Box D has the lowest number of pencils. (here the lowest number of pencils will be 10, hence box D has 10 pencils).

13) Box F has more pencils than Box E. (as the only available values are 20 and 50, Box F should contain 50 pencils and Box E should contain 20 pencils in it.)

Boxes	Number of pencils
H	60
E	20
C	70
A	40
D	10
B	80
F	50
G	30

Here, Box A and Box E are boxes whose names are vowels according to the English alphabetical series, the sum of the number of pencils in both the boxes is $(40 + 20 = 60)$.

Hence, 60 is the correct answer.

180. Answer: e

Explanation:

Eight boxes: A, B, C, D, E, F, G, and H

They contain different numbers of pencils each number being a multiple of 10.

The box which has the highest number of pencils has less than 100 pencils in the box.

Hence, the number of pencils in the boxes can be 10, 20, 30, 40, 50, 60, 70, 80, and 90, but as there are only eight boxes, one quantity will be eliminated.

- 1) Only two boxes are placed between box C and Box B which has pencils whose count is a multiple of 16.
- 2) Only one box is placed between Box G and Box B.
- 3) Only four boxes are placed between box C and Box G.
- 4) Box G is placed somewhere below Box C.

Boxes	Number of pencils
C	
B	80
G	

- 5) Box F is an immediate neighbour of Box B which is placed somewhere above G.

6) Only three boxes are placed between Box H and Box D which is placed immediately above Box B.

Boxes	Number of pencils
H	
C	
D	
B	80
F	
G	

7) Box E is placed two places above Box A which has 40 pencils.

8) Box A is exactly placed between Box C and Box D which has the lowest number of pencils.

9) Box E is not placed at the top.

Boxes	Number of pencils
H	
E	
C	
A	40
D	
B	80
F	
G	

10) Box C has the second largest number of pencils. (If the maximum number of pencils in the box was 90, the second-largest number would be 80 but Box B has 80 pencils and it is not the box with the second largest number of pencils).

Hence, Box C contains 70 pencils in it.

11) Only Box G and Box H have pencils each of whose count is a multiple of 3 and H has more pencils than G. (Multiples of 3 and 10 between 10 and 80 are 30 and 60. Also, H has more pencils than G, therefore, Box H contains 60 pencils and Box G contains 30 pencils).

Boxes	Number of pencils
H	60
E	
C	70
A	40
D	
B	80
F	
G	30

12) Box D has the lowest number of pencils. (here the lowest number of pencils will be 10, hence box D has 10 pencils).

13) Box F has more pencils than Box E. (as the only available values are 20 and 50, Box F should contain 50 pencils and Box E should contain 20 pencils in it.)

Boxes	Number of pencils
H	60
E	20
C	70
A	40
D	10
B	80
F	50
G	30

Here, Box B contains the largest number of pencils and Box D contains the lowest number of pencils.

and there is no box present between them.

Hence, 'none of these' is the correct answer.

181. Answer: e

Explanation:

Step-I:

Alphabet → Number → Symbol

3 * D F 4 & N A 1 Y 6 8 R @ E 2 % T U \$ I P O W ! J

New arrangement: 3 * D F & N A 1 Y 6 8 R @ E % T U \$ I P O W ! J 2 4

Step-II:

Alphabet → Alphabet → Symbol

3 * D F & N A 1 Y 6 8 R @ E % T U \$ I P O W ! J 2 4

New arrangement: 3 * D & N A 1 Y 6 8 R @ E % T \$ I P O ! F U W J 2 4

Step-III:

Number → Alphabet

3 * D & N A 1 Y 6 8 R @ E % T \$ I P O ! F U W J 2 4

New arrangement: 3 * D & N A Y 1 6 R 8 @ E % T \$ I P O ! F U W J 2 4

This is the final arrangement.

Letters between 2 and 8 in step-I:

3 * D F & N A 1 Y 6 8 R @ E % T U \$ I P O W ! J 2 4

Hence, there are more than 8 letters between 2 and 8 in step-I.

182. Answer: b

Explanation:

Step-I:

Alphabet → Number → Symbol

3 * D F 4 & N A 1 Y 6 8 R @ E 2 % T U \$ I P O W ! J

New arrangement: 3 * D F & N A 1 Y 6 8 R @ E % T U \$ I P O W ! J 2 4

Step-II:

Alphabet → Alphabet → Symbol

3 * D F & N A 1 Y 6 8 R @ E % T U \$ I P O W ! J 2 4

New arrangement: 3 * D & N A 1 Y 6 8 R @ E % T \$ I P O ! F U W J 2 4

Step-III:

Number → Alphabet

3 * D & N A 1 Y 6 8 R @ E % T \$ I P O ! F U W J 2 4

New arrangement: 3 * D & N A Y 1 6 R 8 @ E % T \$ I P O ! F U W J 2 4

This is the final arrangement.

Elements of the series which are at the second position from the left end and fifth position from the right end respectively in step-III:

3 * D & N A Y 1 6 R 8 @ E % T \$ I P O ! F U W J 2 4

Hence, '*U' is the required answer.

183. Answer: c

Explanation:

Step-I:

Alphabet → Number → Symbol

3 * D F 4 & N A 1 Y 6 8 R @ E 2 % T U \$ I P O W ! J

New arrangement: 3 * D F & N A 1 Y 6 8 R @ E % T U \$ I P O W ! J 2 4

Step-II:

Alphabet → Alphabet → Symbol

3 * D F & N A 1 Y 6 8 R @ E % T U \$ I P O W ! J 2 4

New arrangement: 3 * D & N A 1 Y 6 8 R @ E % T \$ I P O ! F U W J 2 4

Step-III:

Number → Alphabet

3 * D & N A 1 Y 6 8 R @ E % T \$ I P O ! F U W J 2 4

New arrangement: 3 * D & N A Y 1 6 R 8 @ E % T \$ I P O ! F U W J 2 4

This is the final arrangement.

Symbols immediately preceded by numbers in step-III:

Number → Symbol

3 * D & N A Y 1 6 R 8 @ E % T \$ I P O ! F U W J 2 4

Hence, there are 2 symbols which are immediately preceded by numbers in step-III.

184. Answer: d

Explanation:

Step-I:

Alphabet → Number → Symbol

3 * D F 4 & N A 1 Y 6 8 R @ E 2 % T U \$ I P O W ! J

New arrangement: 3 * D F & N A 1 Y 6 8 R @ E % T U \$ I P O W ! J 2 4

Step-II:

Alphabet → Alphabet → Symbol

3 * D F & N A 1 Y 6 8 R @ E % T U \$ I P O W ! J 2 4

New arrangement: 3 * D & N A 1 Y 6 8 R @ E % T \$ I P O ! F U W J 2 4

Step-III:

Number → Alphabet

3 * D & N A 1 Y 6 8 R @ E % T \$ I P O ! F U W J 2 4

New arrangement: 3 * D & N A Y 1 6 R 8 @ E % T \$ I P O ! F U W J 2 4

This is the final arrangement.

The element which is 13th from the left in the penultimate step (step-II):

3 * D & N A 1 Y 6 8 R @ E % T \$ I P O ! F U W J 2 4

Hence, E is the 13th element from the left in the penultimate step.

185. Answer: b**Explanation:****Step-I:**

Alphabet → Number → Symbol

3 * D F 4 & N A 1 Y 6 8 R @ E 2 % T U \$ I P O W ! J

New arrangement: 3 * D F & N A 1 Y 6 8 R @ E % T U \$ I P O W ! J 2 4

Step-II:

Alphabet → Alphabet → Symbol

3 * D F & N A 1 Y 6 8 R @ E % T U \$ I P O W ! J 2 4

New arrangement: 3 * D & N A 1 Y 6 8 R @ E % T \$ I P O ! F U W J 2 4

Step-III:

Number → Alphabet

3 * D & N A 1 Y 6 8 R @ E % T \$ I P O ! F U W J 2 4

New arrangement: 3 * D & N A Y 1 6 R 8 @ E % T \$ I P O ! F U W J 2 4

This is the final arrangement.

3 * D & N A Y 1 6 R **8** @ E % T \$ I P O ! F U W J 2 4

Hence, the element 8 is 16th from the right end in step-III.

186. **Answer: d**

Explanation:

In the given illustration:

1) Steps I-IV: Even numbers are arranged in ascending order (one in each step) from the left end.

Similarly, odd numbers are arranged in ascending order (one in each step) from the right end.

i.e., in the first step, the lowest pair of even and odd numbers is selected, then the even number is placed at the left end of the arrangement and the odd number is placed at the right end. The same procedure is repeated with all the pairs such that in the arrangement of step IV, all the even numbers will be placed at the left end in ascending order. Similarly, all the odd numbers will be placed at the right end of the arrangement in ascending order in step IV.

2) Step V: 1 is added to each even number and subtracted from each odd number in the arrangement obtained in step IV.

3) Step VI-VIII: The numbers obtained in step V are arranged in ascending order from the left end (one in each step).

Input: * 5 \$ 9 / 8 4 © 3 + 2 = 6 %

Step - I: 2 * 5 \$ 9 / 8 4 © + = 6 % 3

Step - II: 2 4 * \$ 9 / 8 © + = 6 % 3 5

Step - III: 2 4 6 * \$ / 8 © + = % 3 5 9

Step - IV: 2 4 6 8 * \$ / © + = % 3 5 9

Step - V: 3 5 7 9 * \$ / © + = % 2 4 8

Step - VI: 2 3 5 7 9 * \$ / © + = % 4 8

Step - VII: 2 3 4 5 7 9 * \$ / © + = % 8

Step - VIII: 2 3 4 5 7 8 9 * \$ / © + = %

Step - VIII is the final arrangement.

Hence, 8 steps are required to complete the input arrangement.

187. Answer: a

Explanation:

In the given illustration:

1) Steps I-IV: Even numbers are arranged in ascending order (one in each step) from the left end.

Similarly, odd numbers are arranged in ascending order (one in each step) from the right end.

i.e., in the first step, the lowest pair of even and odd numbers is selected, then the even number is placed at the left end of the arrangement and the odd number is

placed at the right end. The same procedure is repeated with all the pairs such that in the arrangement of step IV, all the even numbers will be placed at the left end in ascending order. Similarly, all the odd numbers will be placed at the right end of the arrangement in ascending order in step IV.

2) Step V: 1 is added to each even number and subtracted from each odd number in the arrangement obtained in step IV.

3) Step VI-VIII: The numbers obtained in step V are arranged in ascending order from the left end (one in each step).

Input: * 5 \$ 9 / 8 4 © 3 + 2 = 6 %

Step - I: 2 * 5 \$ 9 / 8 4 © + = 6 % 3

Step - II: 2 4 * \$ 9 / 8 © + = 6 % 3 5

Step - III: 2 4 6 * \$ / 8 © + = % 3 5 9

Step - IV: 2 4 6 8 * \$ / © + = % 3 5 9

Step - V: 3 5 7 9 * \$ / © + = % 2 4 8

Step - VI: 2 3 5 7 9 * \$ / © + = % 4 8

Step - VII: 2 3 4 5 7 9 * \$ / © + = % 8

Step - VIII: 2 3 4 5 7 8 9 * \$ / © + = %

Step - VIII is the final arrangement.

Hence, the last step for the given input is '2 3 4 5 7 8 9 * \$ / © + = %'.

188. Answer: c

Explanation:

In the given illustration:

1) Steps I-IV: Even numbers are arranged in ascending order (one in each step) from the left end.

Similarly, odd numbers are arranged in ascending order (one in each step) from the right end.

i.e., in the first step, the lowest pair of even and odd numbers is selected, then the even number is placed at the left end of the arrangement and the odd number is placed at the right end. The same procedure is repeated with all the pairs such that in the arrangement of step IV, all the even numbers will be placed at the left end in ascending order. Similarly, all the odd numbers will be placed at the right end of the arrangement in ascending order in step IV.

2) Step V: 1 is added to each even number and subtracted from each odd number in the arrangement obtained in step IV.

3) Step VI-VIII: The numbers obtained in step V are arranged in ascending order from the left end (one in each step).

Input: * 5 \$ 9 / 8 4 © 3 + 2 = 6 %

Step - I: 2 * 5 \$ 9 / 8 4 © + = 6 % 3

Step - II: 2 4 * \$ 9 / 8 © + = 6 % 3 5

Step - III: 2 4 6 * \$ / 8 © + = % 3 5 9

Step - IV: 2 4 6 8 * \$ / © + = % 3 5 9

Step - V: 3 5 7 9 * \$ / © + = % 2 4 8

Step - VI: 2 3 5 7 9 * \$ / © + = % 4 8

Step - VII: 2 3 4 5 7 9 * \$ / © + = % 8

Step - VIII: 2 3 4 5 7 8 9 * \$ / © + = %

Step - VIII is the final arrangement.

Step - V: 3 5 7 9 * \$ / © + = %2 4 8

Hence, the position of '%' in step - V is 'fourth from the right'.

189. Answer: a

Explanation:

In the given illustration:

1) Steps I-IV: Even numbers are arranged in ascending order (one in each step) from the left end.

Similarly, odd numbers are arranged in ascending order (one in each step) from the right end.

i.e., in the first step, the lowest pair of even and odd numbers is selected, then the even number is placed at the left end of the arrangement and the odd number is placed at the right end. The same procedure is repeated with all the pairs such that in the arrangement of step IV, all the even numbers will be placed at the left end in ascending order. Similarly, all the odd numbers will be placed at the right end of the arrangement in ascending order in step IV.

2) Step V: 1 is added to each even number and subtracted from each odd number in the arrangement obtained in step IV.

3) Step VI-VIII: The numbers obtained in step V are arranged in ascending order from the left end (one in each step).

Input: * 5 \$ 9 / 8 4 © 3 + 2 = 6 %

Step - I: 2 * 5 \$ 9 / 8 4 © + = 6 % 3

Step - II: 2 4 * \$ 9 / 8 © + = 6 % 3 5

Step - III: 2 4 6 * \$ / 8 © + = % 3 5 9

Step - IV: 2 4 6 8 * \$ / © + = % 3 5 9

Step - V: 3 5 7 9 * \$ / © + = % 2 4 8

Step - VI: 2 3 5 7 9 * \$ / © + = % 4 8

Step - VII: 2 3 4 5 7 9 * \$ / © + = % 8

Step - VIII: 2 3 4 5 7 8 9 * \$ / © + = %

Step - VIII is the final arrangement.

Step - VII: 2 3 4 5 7 9 * \$ / © + = % 8

Hence, '/' will be at the sixth position from the right in the penultimate step (step - VII).

190. Answer: c

Explanation:

In the given illustration:

1) Steps I-IV: Even numbers are arranged in ascending order (one in each step) from the left end.

Similarly, odd numbers are arranged in ascending order (one in each step) from the right end.

i.e., in the first step, the lowest pair of even and odd numbers is selected, then the even number is placed at the left end of the arrangement and the odd number is placed at the right end. The same procedure is repeated with all the pairs such that in the arrangement of step IV, all the even numbers will be placed at the left end in ascending order. Similarly, all the odd numbers will be placed at the right end of the arrangement in ascending order in step IV.

2) Step V: 1 is added to each even number and subtracted from each odd number in the arrangement obtained in step IV.

3) Step VI-VIII: The numbers obtained in step V are arranged in ascending order from the left end (one in each step).

Input: * 5 \$ 9 / 8 4 © 3 + 2 = 6 %

Step - I: 2 * 5 \$ 9 / 8 4 © + = 6 % 3

Step - II: 2 4 * \$ 9 / 8 © + = 6 % 3 5

Step - III: 2 4 6 * \$ / 8 © + = % 3 5 9

Step - IV: 2 4 6 8 * \$ / © + = % 3 5 9

Step - V: 3 5 7 9 * \$ / © + = % 2 4 8

Step - VI: 2 3 5 7 9 * \$ / © + = % 4 8

Step - VII: 2 3 4 5 7 9 * \$ / © + = % 8

Step - VIII: 2 3 4 5 7 8 9 * \$ / © + = %

Step - VIII is the final arrangement.

Step - VI: 2 3 5 7 9 * \$ / © + = % 4 8

Hence, '7' is fourth from the left in the sixth step.

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