

SBI PO Pre 2024-25 Memory Based Paper 8-Mar-2025-1st shift

Q1. In the given question, two words are omitted, which are replaced by blanks. Choose the best combination of the words that can fit into the given blank at the same order so to make a grammatically and logically correct statement.

The company's sudden announcement of layoffs was seen as _____ by many employees, who did not feel the decision had been _____ from the beginning.

- (a) abrupt, predetermined
- (b) strategic, unexpected
- (c) transparent, concealed
- (d) calculated, improvised
- (e) reckless, justified

Q2. In the given question, two words are omitted, which are replaced by blanks. Choose the best combination of the words that can fit into the given blank at the same order so to make a grammatically and logically correct statement.

The government's response to the economic crisis was widely criticized as _____ and only served to _____ public frustration.

- (a) deliberate, intensify
- (b) prudent, alleviate
- (c) swift, suppress
- (d) ineffectual, exacerbate
- (e) measured, pacify

Q3. In the given question, two words are omitted, which are replaced by blanks. Choose the best combination of the words that can fit into the given blank at the same order so to make a grammatically and logically correct statement.

The athlete's return to the field after a year-long injury was both _____ and _____, as fans wondered if he could regain his former strength.

- (a) unexpected, reassuring
- (b) anticipated, uncertain
- (c) disappointing, celebrated
- (d) inevitable, dismissed
- (e) predictable, unnoticed

Q4. In the given question, two words are omitted, which are replaced by blanks. Choose the best combination of the words that can fit into the given blank at the same order so to make a grammatically and logically correct statement.

The whistleblower's testimony was so _____ that it left lawmakers scrambling to _____ the allegations before they could gain further traction.

- (a) uninformative, dismiss
- (b) baseless, ignore
- (c) damning, counter
- (d) neutral, endorse
- (e) unfounded, deny

Q5. In the given question, two words are omitted, which are replaced by blanks. Choose the best combination of the words that can fit into the given blank at the same order so to make a grammatically and logically correct statement.

The new scientific discovery was hailed as _____ but also met with skepticism, as researchers sought to _____ the results through further experiments.

- (a) revolutionary, replicate
- (b) trivial, ignore
- (c) debatable, obscure
- (d) conclusive, pacify
- (e) marginal, amplify

Directions (6-12): Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The corresponding letter of that part is the answer. If the given sentence is correct as it is, then choose option 'No error' as your answer response. (Ignore errors of punctuation, if any).

Q6. The pack of wolves (A)/ were seen roaming (B)/ near the deserted village (C)/ at dawn. (D)

- (a) A
- (b) B
- (c) C
- (d) D
- (e) No error

Q7. She narrowly escaped (A)/ to fall into the (B)/ deep trench (C)/ near the cliff's edge. (D)

- (a) A
- (b) B
- (c) C
- (d) D
- (e) No error

Q8. Despite being warned (A)/ about the storm, he insisted (B)/ to go for a (C)/ late-night drive. (D)

- (a) A
- (b) B
- (c) C
- (d) D
- (e) No error

Q9. He pretended (A)/ that he knows nothing (B)/ about the secret plan (C)/ discussed in the meeting.

- (D)
- (a) A
- (b) B
- (c) C
- (d) D
- (e) No error

Q10. Not only he (A)/ ignore the warnings, (B)/ but he also (C)/ mocked the elders. (D)

- (a) A
- (b) B
- (c) C
- (d) D
- (e) No error

Q11. She found (A)/ an unique solution (B)/ to the complex (C)/ logistical problem. (D)

- (a) A
- (b) B
- (c) C
- (d) D
- (e) No error

Q12. The rebels planned (A)/ to blow out (B)/ the bridge before (C)/ reinforcements arrived. (D)

- (a) A
- (b) B
- (c) C
- (d) D
- (e) No error

Directions (13-21): Read the following passage and answer the given questions.

With the United States recently lifting its ban on online betting, the digital gambling landscape has experienced a significant paradigm shift, redefining the intersection between technology and wagering. Once constrained by stringent regulations, platforms facilitating poker, online casinos, and sports betting are now flourishing, attracting an influx of new participants, particularly among the youth. This legislative reversal has catalyzed a global ripple effect, influencing betting dynamics in Europe and beyond. In response to this shift, several companies are **launching** innovative gambling platforms to capitalize on the growing demand.

Unlike traditional casinos, which rely on physical establishments, online betting platforms leverage advanced digital algorithms, artificial intelligence, and blockchain technology to ensure seamless transactions and enhanced security. The immediacy of placing wagers from mobile applications, coupled with the gamification of betting interfaces, has rendered the experience far more engaging than conventional casino gambling. Furthermore, the integration of live-streaming services within sports betting platforms has heightened real-time interaction, thereby allowing users to **engage** with the experience in ways never seen before.

One of the most pronounced impacts of this digital transition is the surge in sports engagement. With online betting becoming more accessible, the younger demographic is demonstrating a heightened interest in various athletic competitions, including football, basketball, and eSports. Europe, a longstanding hub for both regulated gambling and sports culture, has particularly benefited from this trend. Increased viewership and participation in sporting events, coupled with a surge in revenue streams for clubs and leagues, have fortified the economic structure of professional athletics. Moreover, the adoption of responsible gambling initiatives across European jurisdictions has helped mitigate some of the potential downsides of digital wagering.

However, despite these apparent advantages, the rapid expansion of online betting carries inherent risks. The accessibility and anonymity afforded by digital gambling platforms can foster addictive behaviors, particularly among impressionable youth. A lack of financial literacy among new bettors exacerbates the potential for substantial monetary losses, while the gamified nature of online casinos may obscure the psychological toll of compulsive gambling. If left unchecked, what was once a recreational activity can quickly devolve into a destructive **vice**, draining financial resources and leading to social isolation. Additionally, concerns surrounding data privacy, fraudulent schemes, and unregulated markets persist, raising ethical questions about the long-term sustainability of online betting.

As the online gambling industry continues to evolve, striking a balance between economic benefits and responsible gaming policies will be paramount. Without adequate safeguards, the societal costs of unchecked digital betting could outweigh its economic and recreational merits.

Q13. Which of the following statements is/are correct according to the passage?

- (I) The legalization of online betting in the United States has influenced global betting trends, including in Europe.
 - (II) Traditional casinos are becoming obsolete due to the growing popularity of online gambling platforms.
 - (III) The integration of technology, such as AI and blockchain, has improved security in online gambling.
- (a) Only (II)
 - (b) Both (I) and (II)
 - (c) Only (III)
 - (d) Both (I) and (III)
 - (e) All (I), (II), and (III)

Q14. Which of the following is a concern regarding online betting, based on the passage?

- (a) Traditional casinos will completely disappear in the near future.
- (b) Online gambling companies may manipulate algorithms to increase losses.
- (c) The increased engagement in sports may create biased betting outcomes.
- (d) A lack of proper financial education may lead to severe monetary losses for new bettors.
- (e) Governments will completely ban online betting again due to its risks.

Q15. Identify the INCORRECT statement based on the passage.

- (a) The U.S. legalization of online betting has influenced global gambling trends, impacting regulations and betting dynamics in other countries.
- (b) Online gambling companies have successfully eliminated gambling addiction through AI-driven detection and prevention systems.
- (c) The passage highlights that gamification in digital betting can make gambling more addictive by obscuring its long-term consequences.
- (d) Both A and B
- (e) All are incorrect

Q16. Identify the correct synonym for "engage" based on its usage in the passage.

- (a) Capture
- (b) Captivate
- (c) Emerge
- (d) Replace
- (e) Evolve

Q17. Based on the passage, how has the U.S. decision to legalize online betting impacted global gambling trends?

- (a) It has primarily benefited U.S. sports leagues, while the global gambling industry remains unaffected due to differing regulatory structures.
- (b) The passage suggests that U.S. legalization has caused a worldwide increase in problem gambling, overwhelming responsible gambling initiatives.
- (c) The ripple effect of this decision has influenced European markets by increasing sports engagement and enhancing revenue streams for clubs and leagues.
- (d) The passage implies that U.S. legalization has had minimal influence outside its borders, as most online gambling companies operate independently of U.S. laws.
- (e) The global sports industry has opposed this change, fearing that the rise of online betting could reduce traditional in-person viewership.

Q18. What potential risk associated with online betting does the passage emphasize the most?

- (a) The complete lack of gambling regulations worldwide, which has allowed fraudulent activities to flourish.
- (b) The psychological and financial dangers of unchecked digital gambling, particularly among young and inexperienced users.
- (c) The negative impact of online betting on professional sports, leading to a decline in revenue and viewership.
- (d) The erosion of traditional casino culture due to the increasing preference for digital betting platforms.
- (e) The long-term economic instability of online gambling companies due to increasing competition and market saturation.

Q19. Which of the following words is the closest in meaning to the opposite of "vice" as used in the passage?

- (a) Corruption
- (b) Virtue
- (c) Immorality
- (d) Sin
- (e) Depravity

Q20. Which of the following statements is/are correct according to the passage?

- (I) The reversal of online betting laws in the U.S. has only influenced gambling trends in the country itself.
- (II) The integration of live-streaming within sports betting platforms has transformed how users engage with betting.
- (III) Online betting platforms integrate live-streaming services to enhance real-time engagement.
- (a) Only (II)
- (b) Both (I) and (III)
- (c) Both (II) and (III)
- (d) All (I), (II), and (III)
- (e) Only (I)

Q21. Which of the following words is the closest in meaning to "launching" as used in the passage?

- (a) Terminating
- (b) Initiating
- (c) Encouraging
- (d) Preponing
- (e) Withdrawing

Directions (22-25): In each of the questions given below a sentence is given with three words in bold. Choose the option which gives the correct sequence of these words to make the sentence grammatically and contextually correct.

Q22. The ancient temple **torrential** (A) under the relentless force of the **majestic** (B) rain, leaving only fragments of its once **crumbled** (C) structure scattered across the valley.

- (a) ACB
- (b) CAB
- (c) BAC
- (d) BCA
- (e) No rearrangement required

Q23. The commander's **pivotal** (A) to launch the **offensive** (B) at dawn cost the army a **reluctance** (C) strategic advantage in the battle.

- (a) CBA
- (b) ACB
- (c) BAC
- (d) CAB
- (e) No rearrangement required

Q24. The detective's **astute** (A) observations led to a **crucial** (B) clue that **unraveled** (C) the mystery.

- (a) CAB
- (b) ACB
- (c) BAC
- (d) BCA
- (e) No rearrangement required

Q25. The leader's **resilient (A)** attitude in **adversity (B)** motivated his team to face challenges with **fearless (C)** determination.

- (a) BCA
- (b) CAB
- (c) ACB
- (d) BAC
- (e) No rearrangement required

Directions (26-30): Rearrange the following statements to form a coherent paragraph and the answer the given questions.

- (A) Their persistent efforts led to a remarkable transformation, ensuring a steady water supply and revitalizing local farming.
- (B) In the 1990s, the crisis deepened, prompting a group of determined women to take matters into their own hands by developing innovative irrigation techniques.
- (C) Additionally, policymakers announced the formulation of new programs aimed at furthering women's empowerment in rural areas.
- (D) Recognizing their contribution, the government not only praised their work but also introduced incentives to support their initiatives.
- (E) This inspiring movement has set a precedent for sustainable development and gender-inclusive progress in the region.
- (F) For decades, a village struggled with severe water shortages, impacting agriculture and daily life.

Q26. Which of the following is the correct sequence after rearrangement?

- (a) FABCED
- (b) FBADCE
- (c) BAECDF
- (d) FADCEB
- (e) BCDEAF

Q27. Which of the following is the FIRST statement after rearrangement?

- (a) A
- (b) B
- (c) C
- (d) F
- (e) E

Q28. Which of the following is the FIFTH statement after rearrangement?

- (a) A
- (b) B
- (c) C
- (d) D
- (e) E

Q29. Which of the following is the THIRD statement after rearrangement?

- (a) A
- (b) F
- (c) C
- (d) D
- (e) E

Q30. Which of the following is the LAST statement after rearrangement?

- (a) F
- (b) B
- (c) C
- (d) D
- (e) E

Directions (31-32): In each question two columns are given, each containing three phrases/sentences. Choose the option that will connect the phrases to form meaningful and correct sentences.

Q31. Column I

- A. Struggling to navigate the stormy seas,
- B. The unexpected turn of events
- C. Enduring the relentless hardships,

Column II

- D. they refused to abandon hope.
- E. left the entire nation in shock.
- F. he emerged stronger than before.

- (a) A-D
- (b) B-D
- (c) C-F
- (d) A-E
- (e) Both A-D and C-F

Q32. Column I

- A. Concealing his growing frustration,
- B. The sudden betrayal of his closest ally
- C. Fiercely resisting the oppressive rule,

Column II

- D. was an act of defiance
- E. shattered his faith in loyalty
- F. was rolling hills in a warm glow

- (a) A-D
- (b) A-E
- (c) C-F
- (d) B-E
- (e) Both A-D and B-E

Directions (33-38): In the following passage there are blanks, each of which has been denoted by letters. For each blank, five options are given. Choose the most appropriate word from the options that fits the blank appropriately.

Black pepper, often referred to as the "king of spices," _____ (A) an essential component of cuisines worldwide and has been used for centuries in both culinary and medicinal practices. It _____ (B) originally cultivated in South Asia, particularly in India, where it thrives in humid, tropical climates. The distinctive aroma of black pepper _____ (C) from its volatile oils, especially piperine, which contributes to its pungency and potential health benefits.

Although black pepper _____ (D) widely used today, historical records indicate that it _____ (E) once considered a luxury item, traded as currency in ancient markets. To preserve its full flavor, whole peppercorns are often preferred over ground pepper, as grinding _____ (F) its essential oils to dissipate over time.

In recent years, the rising global demand and fluctuating agricultural yields have led to an increase in the price of black pepper, making it more expensive than before. To maximize its freshness, black pepper should be stored in an airtight container away from heat and moisture. Whether used as a seasoning or a medicinal remedy, black pepper remains one of the most widely consumed spices in the world.

Q33. Select the most appropriate option to fill in the blank A.

- (a) remains
- (b) signifies
- (c) denotes
- (d) embodies
- (e) constitutes

Q34. Select the most appropriate option to fill in the blank B.

- (a) is
- (b) has
- (c) had been
- (d) was being
- (e) was

Q35. Select the most appropriate option to fill in the blank C.

- (a) emerge
- (b) derives
- (c) originates
- (d) stems
- (e) exudes

Q36. Select the most appropriate option to fill in the blank D.

- (a) is
- (b) was
- (c) has been
- (d) had been
- (e) will be

Q37. Select the most appropriate option to fill in the blank E.

- (a) has
- (b) was
- (c) had
- (d) is
- (e) are

Q38. Select the most appropriate option to fill in the blank F.

- (a) causes
- (b) had caused
- (c) has caused
- (d) cause
- (e) will cause

Directions (39-40): Which of the following phrases given below the sentence should replace the phrase printed in bold letters to make the sentence grammatically correct? Choose the best option among the five given alternatives that reflect the correct use of phrase in the context of the grammatically correct sentence. If the sentence is correct as it is, mark "No correction required" as the answer.

Q39. **Despite of the heavy storm**, the fishermen decided to set sail early in the morning.

- (a) Despite the heavy storm
- (b) In spite the heavy storm
- (c) Even despite the heavy storm
- (d) Although of the heavy storm
- (e) No correction required

Q40. Had he known about the crisis, **he would help** his colleagues before leaving.

- (a) he would had helped
- (b) he would helped
- (c) he will help
- (d) he would have helped
- (e) No correction required

Directions (41-45): The table shows the flats occupied by public sector employees in four different buildings, ratio of flats occupied public sector and private sector employees and percentage of vacant flats. Read the table and answer the following questions.

Buildings	Flats occupied by public sector employees	Ratio of flats occupied by public sector to private sector employees	Percentage of vacant employees
A	$4x+40$	2:1	40%
B	240	8:5	25%
C	300	5:3	20%
D	150	2:1	55%

Note – 1. Occupied flats in A is 300.

2. Total flats in the building = occupied flats + vacant flats.

Q41. In A, the ratio of flat occupied by female working in public sector is 120 which is 20% more than flat occupied by male and Private sector. Find the sum of flat occupied by male in public sector and female in private sector.

- (a) 80
- (b) 90
- (c) 100
- (d) 150
- (e) 120

Q42. In building F, the ratio occupied to vacant flat is same as building B and flats occupied by public sector employees is the average of flats occupied by private sector employees in A and B. If the vacant flats in F is $\frac{2}{5}$ th of flats occupied by public sector employees. Find the total flats occupied by private sector employees in F.

- (a) 25
- (b) 39
- (c) 24
- (d) 50
- (e) 20

Q43. Find the ratio of vacant flats in C and occupied flats in B together to flats occupied by private employees in C and flats occupied by public sector employees in D.

- (a) 5:6
- (b) 17:11
- (c) 10:11
- (d) 1:1
- (e) 12:11

Q44. In D, 20% of the public sector employees have car and remaining have bike and 40% of the private sector employees have bikes and remaining have cars. Find the difference between public sector employees have bike and private sector employees have car.

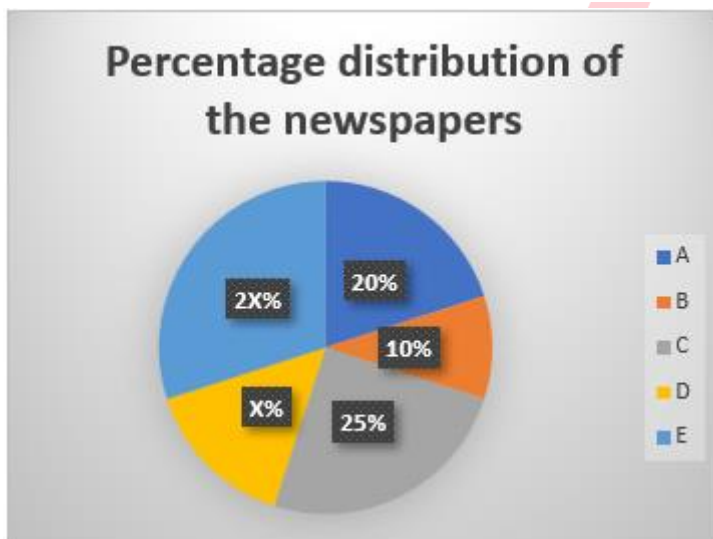
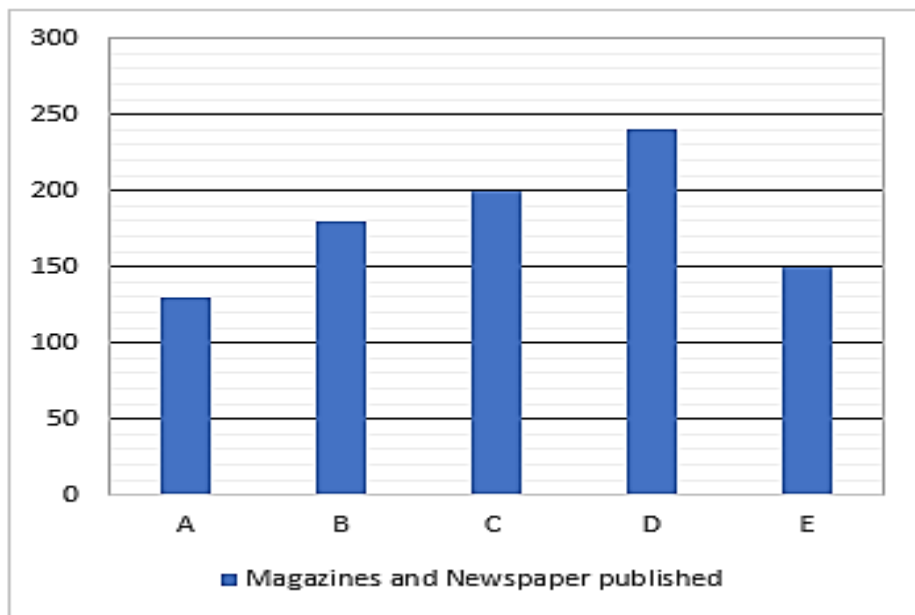
- (a) 50
- (b) 75
- (c) 100
- (d) 125
- (e) 120

Q45. If the number of flats in a floor is $2.5x$ and number of flats in each floor is same. Find the sum of number of floor in C and D.

- (a) 5
- (b) 9
- (c) 10
- (d) 11
- (e) 12

Directions (46-50): Read the following pie chart and bar graph carefully and answer the questions given below. The bar graph shows total number of magazines and newspapers published by five different publishers. The pie chart shows the percentage distribution of the newspapers published by these publishers.

Note: The total number of magazines published by A is 50.



Q46. The total number of newspapers published by F is 25% more than that of by C and the total number of magazines published by B and F in the ratio of 7:4 respectively. Find the difference between the total number of magazines and newspapers published by F.

- (a) 40
- (b) 45
- (c) 35
- (d) 30
- (e) 20

Q47. 40% of the number of magazines published by A are sold and 20% of the number of newspapers published by A are unsold, then find the ratio of the total number of magazines and newspapers sold by A.

- (a) 7:12
- (b) 5:11
- (c) 3:13
- (d) 4:19
- (e) 5:16

Q48. The ratio of sports to fashion magazines published by D is in the ratio of 5:4 respectively. The number of sports magazines published by D is what percentage of the total number of newspapers published by A?

- (a) 125%
- (b) 80%
- (c) 65%
- (d) 75%
- (e) 100%

Q49. The total number of newspapers published by G is 4X more than that of E and the total number of magazines published by G is X less than that of A, then find the total number of newspapers and magazines together published by G.

- (a) 250
- (b) 150
- (c) 190
- (d) 180
- (e) 215

Q50. The total number of magazines published by B and F together 12X. Find the average number of magazines published by F and D.

- (a) 110
- (b) 120
- (c) 90
- (d) 130
- (e) 125

Q51. A and B started a business, and their investment was in the ratio of 4:5, respectively. At the end of a year the 30% of the dividend is equally distributed, and the remaining dividend is distributed in their profit share. If the difference between the dividend share of A and B is Rs 280, then find the total profit (in Rs)?

- (a) 3200
- (b) 3600
- (c) 3800
- (d) 4000
- (e) 4400

Q52. The average age of $(X+14)$ students in a class is X years. When the ages of two teachers are included, the average age increases by one year. If the sum of their age is 64 years, then find X ?

- (a) 12
- (b) 24
- (c) 20
- (d) 14
- (e) 16

Q53. A person invests some amount on simple interest and at the end of the year the amount becomes 13 times of the amount invested by the man. If the numeric value of rate of interest per annum is thrice of time, find rate of interest.

- (a) 20
- (b) 50
- (c) 40
- (d) 60
- (e) 90

Q54. The speed of stream is $16\frac{2}{3}\%$ of downstream speed of the boat and the boat covers 120 km upstream in five hours. If the boat covers $D-3$ km downstream and $D+30$ (at speed of boat in still water) in 5.5 hours, then find the value of D ?

- (a) 55
- (b) 75
- (c) 80
- (d) 60
- (e) 45

Q55. Two vessels X and Y contains mixture of milk and water. Vessel X contains milk and water in the ratio of 5 : 3 respectively, while vessel Y contains mixture of milk and water in the ratio of 7 : 5 respectively. The difference between milk and water in vessel Y is equal to water in vessel X. If water in vessel Y is 5 liters more than milk in vessel X, then find the total mixture in vessel X?

- (a) 156
- (b) 126
- (c) 120
- (d) 16
- (e) 88

Q56. The sum of age of X, Y and Z is 190 years. The difference between age of X & Y is twice the difference between age of Y & Z. If the ratio of age of Y to that of Z is 7 : 9, then find minimum the possible age of X (in years) Given, age of $X <$ age of Y and all age in integer?

- (a) 30
- (b) 40
- (c) 36
- (d) 25
- (e) Can't determined

Q57. The cost price of an article is Rs. X and it marked up 40% above cost price, while discount allowed on the marked price is 20%. If the cost price is Rs 100 less and the selling price is Rs. 80 more, then profit received on the article is 60%. Find the original selling price of the article (in Rs.)?

- (a) 540
- (b) 720
- (c) 840
- (d) 560
- (e) 600

Q58. A man invested Rs. $(X-2500)$ on simple interest for five years 3 days at rate of 8.006% in scheme A and he invested Rs X on compound interest for 2 years 2 days at rate of 10% p.a. in scheme B. If the approximate difference between interest received from the both schemes is Rs. 900, then find amount invested in scheme A (in Rs.)?

- (a) 5000
- (b) 5500
- (c) 7840
- (d) 7500
- (e) 5600

Directions (59-60): Find the wrong number in the following number series.

Q59. 8, 21, 41, 72, 116, 175, 257

- (a) 257
- (b) 116
- (c) 21
- (d) 175
- (e) 41

Q60. 5040 720 120 24 8 2

- (a) 720
- (b) 120
- (c) 5044
- (d) 2
- (e) 8

Directions (61-65): Read the information and answer the following questions.

The information is about the total people who like three different games i.e. volleyball, chess and cricket. The people who like only volleyball is $(x+10)$ and people who like only chess is 15 less than that of Volleyball. People who like only cricket is 28. Average number of people who like only one game is 21. People who like all the games together is 50. The ratio of people who like volleyball and chess together and chess and cricket together is 1:2. Total people who like chess is 96.

Q61. Find the ratio of people who like only cricket and chess together to people who like only volleyball.

- (a) 24:25
- (b) 25:24
- (c) 15:16
- (d) 10:9
- (e) 5:4

Q62. Find the difference between people who like only one game to people like all the games together.

- (a) 20
- (b) 13
- (c) 15
- (d) 12
- (e) 14

Q63. The number of people who like only volleyball and cricket together is double the people who like only cricket. Find the people who like volleyball.

- (a) 120
- (b) 125
- (c) 143
- (d) 110
- (e) 115

Q64. Find the value of x.

- (a) 20
- (b) 25
- (c) 15
- (d) 10
- (e) 5

Q65. The ratio of male and female who like chess is 7:5, then females who like chess is what percentage more/less than the people who like all the games together.

- (a) 20%
- (b) 10%
- (c) 90%
- (d) 80%
- (e) 25%

Q66. A is five consecutive even numbers series and B is five consecutive odd numbers series. The third term of series A is 3 more than third term of series B. If sum of first term of both series is 397, then find the sum of third term of series A and B?

- (a) 403
- (b) 407
- (c) 405
- (d) 401
- (e) 409

Q67. The area of a rectangle is 528 cm^2 more than the area of a circle. And the ratio of length to breadth of the rectangle is $26 : 11$. If radius of the circle is $\frac{7}{11}$ th of the breadth of the rectangle, then find the radius of circle (in cm)?

- (a) 14
- (b) 10.5
- (c) 28
- (d) 21
- (e) 7

Q68. Ten years ago, the average age of A and B was 30 years. Eight years hence, the ratio of age of A to that of B will be $5 : 7$. If the age of C five years ago was $\frac{7}{9}$ th of the age of B three years ago, then find the present age of C (in years):?

- (a) 40
- (b) 35
- (c) 45
- (d) 48
- (e) 32

Directions (69-70): Following are the questions based on two statements and answer the following based on the given statements.

Q69. What will be respective ratio of saving of V & D.

I. Income of V is 4% less than that of S and the ratio of expenditure of V to that of S is $7 : 8$. D spend $\frac{3}{5}$ th of his income.

II. S save Rs. 14000 and V saves Rs. 14800. Income of D is Rs. 2000 more than that of S.

- (a) Only statement I is sufficient
- (b) Only statement II is sufficient
- (c) Statement I and II both together is sufficient
- (d) Either statement I or Statement II alone is sufficient
- (e) Neither statement I nor statement II is sufficient

Q70. What is age of R after two years.

I. Average age of A and N is 24 years and ratio of age of R to A is $2 : 3$.

II. N is 4 years elder than S and ratio of age of S to R is $1 : 2$

- (a) only statement I
- (b) Only statement II
- (c) Both I and II together
- (d) Both statements together are not sufficient
- (e) Either I or II alone

Directions (71-73): In each question below, some statements are given followed by some conclusions. You have to assume everything in the statements to be true even if they seem to be at variance with commonly known facts. Now, decide which of the two given conclusions logically follow from the statements, disregarding commonly known facts.

Q71. Statements:

All apple are orange.

Only a few orange are fruit.

Some apple is not red.

Conclusions:

I. All fruit being apple is a possibility.

II. Some red are orange.

- (a) Only I follows
- (b) Only II follows
- (c) Either I or II follows
- (d) Both I and II follow
- (e) None follows

Q72. Statements:

Only trains are planes.

Some cars are trains.

All cars are ships.

Conclusions:

I. Some planes being ships is a possibility.

II. All trains can never be cars.

- (a) Only I follows
- (b) Only II follows
- (c) Either I or II follows
- (d) Both I and II follow
- (e) None follows

Q73. Statements:

No cups are mugs.

Only a few cups are plates.

All mugs are spoons.

Conclusions:

I. No plates being spoons is a possibility.

II. All cups can never be plates.

- (a) Only I follows
- (b) Only II follows
- (c) Either I or II follows
- (d) Both I and II follow
- (e) None follows

Q74. Find the odd one out.

- (a) JMH
- (b) TWR
- (c) EHC
- (d) QTO
- (e) ORK

Q75. How many pairs of digits are in the number '83573971, each of which have as many digits between them (both forward and backward direction) as they have between them according to English Numeric Series?

- (a) One
- (b) Four
- (c) Three
- (d) Two
- (e) More than four

Directions (76-80): Read the given information carefully and answer the related questions:

Nine persons A, B, C, D, E, F, G, H, I are designated on different posts in a company but not in given order. The designations are CEO (Chief Executive Officer), CFO (Chief Financial Officer), CTO (Chief Technical Officer), CMO (Chief Marketing Officer), VP (Vice President), GM (General Manager), AGM (Assistant General Manager), DGM (Deputy General Manager), Manager. These designations are given in the decreasing order of seniority from CEO to Manager respectively.

Odd number of persons are senior to B. Four persons are in between B and H. C is two designations senior to H. The number of persons designated between B and C is two less than the number of persons senior to E. A is four designations junior to G. The number of persons junior to G is four more than the number of persons senior to F. D is not Assistant General Manager.

Q76. The number of persons junior to I is same as the number of persons senior to ____.

- (a) G
- (b) H
- (c) C
- (d) A
- (e) F

Q77. Which of the following statement is correct?

- (a) F is designated as Chief Technical Officer
- (b) Less than four persons are in between G and B
- (c) A is immediate junior to D
- (d) Equal number of persons are senior and junior to E
- (e) A is senior to General Manager

Q78. Which of the following pair of designation and person is/are correct?

- (a) Assistant General Manager - I
- (b) Vice President - D
- (c) Chief Marketing Officer - F
- (d) Manager - E
- (e) All are correct

Q79. Among which pair of persons, first person is three designations senior to second person?

- (a) G-A
- (b) C-I
- (c) H-F
- (d) D-B
- (e) B-E

Q80. Who among the following is two designations junior to I?

- (a) H
- (b) E
- (c) A
- (d) C
- (e) G

Directions (81-85): Read the given information carefully and answer the related questions:

14 persons sit in two parallel rows in such a way that 7 persons sit in each row. B, C, D, E, F, G, H – sit in row 1 and face north while P, Q, R, S, T, U, V – sit in row 2 and face south. The persons do not sit in the given order. The persons of both rows face each other.

T faces the one who sits third to the left of G. Number of persons to the left of G is one more than the number of persons to the right of P. The one who faces P sits immediate right of B. F neither sits at the extreme ends nor adjacent to G. More than two persons sit between F and the one who faces V. Number of persons sit between T and V is same as the number of persons sit between D and E. S sits third to the right of Q. Two persons sit between C and D who sits opposite to R.

Q81. Four of the following five are similar in a certain manner and related to a group, who among the following is not related to the group?

- (a) U
- (b) V
- (c) H
- (d) D
- (e) R

Q82. How many persons sit between U and the one who faces F?

- (a) One
- (b) Two
- (c) Three
- (d) Four
- (e) Five

Q83. What is the position of H with respect to the one who sits opposite to S?

- (a) Second to the right
- (b) Immediate left
- (c) Fourth to the right
- (d) Fourth to the left
- (e) Third to the right

Q84. Which of the following statement is true?

- I. Four persons sit to the right of U
 - II. E sits immediate right of G
 - III. F is the only neighbor of H
- (a) Only II
 - (b) Only II and III
 - (c) Only III
 - (d) Only I
 - (e) Only I and II

Q85. If V is related to E, P is related to B, in the similar way, Q is related to whom?

- (a) G
- (b) D
- (c) F
- (d) H
- (e) C

Directions (86-90): Study the following information carefully and answer the questions given below:

Nine boxes A, B, C, D, E, F, G, H, I - are placed one above the other but not necessarily in the same order. At most two boxes are placed above the box A. Two boxes are placed between box A and box H. Box E is placed adjacent to box H. The number of boxes placed between box A and box E is two less than the number of boxes placed between box E and box G. Box B is placed just above box D which is two places above the box C. Box F is placed two places above box I.

Q86. How many boxes are placed between Box G and Box A?

- (a) One
- (b) Two
- (c) Three
- (d) Four
- (e) Five

Q87. Which of the following boxes is placed at the topmost position?

- (a) A
- (b) G
- (c) B
- (d) F
- (e) H

Q88. Which box is placed exactly between Box F and Box C?

- (a) B
- (b) G
- (c) H
- (d) D
- (e) E

Q89. What is the correct position of Box E from the topmost position?

- (a) Fourth
- (b) Fifth
- (c) Sixth
- (d) Seventh
- (e) Eighth

Q90. If box E is related to box B and box H is related to box D then in the same way which box is related to box I?

- (a) Box A
- (b) Box F
- (c) Box C
- (d) Box H
- (e) Box G

Directions (91-95): Study the following information carefully and answer the questions given below:

Seven persons study in three different universities viz. Oxford, Cambridge and Texas. Minimum two but not more than three persons study in the same university. Each of them like different colour.

P likes brown but does not study in Texas. T study only with Q but they do not study in Texas. S and the one who likes white study in the same university. V and the one who likes maroon study in the same university. The ones who like grey and green study neither in the same university nor in Texas. T does not study in Oxford. The one who likes silver and grey study in the same university. V study with more than one person. Q does not like silver. R does not study in Oxford. R does not like Gold and Maroon. S and U do not like gold.

Q91. Which of the following persons study in Oxford?

- (a) P, R
- (b) S, V
- (c) P, S, V
- (d) P, Q, T
- (e) None of these

Q92. Who likes the white color?

- (a) Q
- (b) S
- (c) R
- (d) V
- (e) None of these

Q93. Which of the following colors does T like?

- (a) Green
- (b) Gold
- (c) Maroon
- (d) Silver
- (e) None of these

Q94. Which of the following statements is true?

- (a) P and S study in the same university.
- (b) T likes grey color.
- (c) R studies in Texas.
- (d) The one who likes silver studies in Cambridge.
- (e) Both (c) and (d)

Q95. Who among the following studies in Texas?

- (a) R and the one who likes grey
- (b) S and the one who likes white
- (c) V and the one who likes green
- (d) Q and the one who likes silver
- (e) None of these

Directions (96-100): Study the following information carefully and answer the questions given below:

Seven persons i.e., A, B, C, D, E, F and G but not necessarily in the same order are living in a seven-floor building such that the ground floor is numbered as 1, just above it is floor 2, then the topmost floor is numbered as 7. Each person likes different colors i.e., Green, Red, Violet, Purple, Black, Pink and White but not necessarily in the same order.

G lives on even number floor but three floors above the one who likes Black. There are as many persons live above the one who likes Purple as below the one who likes Black. C lives two floors above the one who likes white who lives on odd numbered floor. C does not like Black. B lives two floors above the one who likes Violet. The one who likes green lives just above the one who likes Pink. More than three persons live between E and F who lives just above D.

Q96. Who lives on the second topmost floor?

- (a) A
- (b) G
- (c) C
- (d) B
- (e) E

Q97. How many floors are between the persons who like Red and Black?

- (a) One
- (b) Two
- (c) Three
- (d) Four
- (e) None

Q98. The numbers of persons live above C is one less than the numbers of persons live below _____?

- (a) The one who likes White
- (b) The one who likes Pink
- (c) The one who likes Violet
- (d) The one who likes Purple
- (e) The one who likes Black

Q99. Who among the following lives just above the one who likes Green?

- (a) The one who likes Violet
- (b) The one who likes Red
- (c) The one who likes White
- (d) The one who likes Purple
- (e) The one who likes Black

Q100. Which of the following statements is true?

- I. G does not live on prime numbered floor
 - II. A lives above the one who likes red
 - III. At least two floors gap between G and F
- (a) Only III
 - (b) Both I and II
 - (c) Only I
 - (d) Both II and III
 - (e) None is true

Solutions

S1. Ans.(a)

Sol. The sentence discusses a sudden announcement of layoffs and how employees felt the decision had already been made in advance. "**Abrupt**" means sudden and unexpected, often in a way that seems rude or shocking, which correctly describes the nature of the announcement. The second blank requires a word that suggests the decision was already made, and "**predetermined**" means decided or fixed in advance, not influenced by later events or decisions, making it the most logical choice.

Meanings of all options:

- **Abrupt** – sudden and unexpected, often in a way that feels unplanned or even rude.
- **Predetermined** – decided or established beforehand, not allowing for change.
- **Strategic** – carefully planned to serve a particular purpose, usually in military, business, or politics.
- **Unexpected** – occurring without prior notice or anticipation.
- **Transparent** – open and clear, without hidden motives or deception.
- **Concealed** – kept hidden or secret from view or knowledge.
- **Calculated** – carefully planned or intended, often to achieve a particular outcome.
- **Improvised** – created or performed spontaneously without preparation.
- **Reckless** – showing a lack of care about the consequences of an action.
- **Justified** – shown to be reasonable, right, or necessary.

S2. Ans.(d)

Sol. The sentence suggests that the government's response to the crisis was criticized and made public frustration worse. "**Ineffectual**" means not producing the desired result or failing to achieve effectiveness, which fits the criticism. The second blank should indicate an increase in frustration, and "**exacerbate**" means to worsen or intensify a situation, especially a negative one, making it the best choice.

Meanings of all options:

- **Ineffectual** – lacking the ability to produce a desired result or having little impact.
- **Exacerbate** – to make a problem, situation, or feeling worse.
- **Prudent** – acting with care and thought for the future, showing good judgment.
- **Alleviate** – to reduce, relieve, or lessen pain, suffering, or difficulty.
- **Swift** – happening or done quickly, with speed and efficiency.
- **Suppress** – to forcibly put an end to something or prevent it from being known.
- **Deliberate** – done consciously and intentionally, often with careful thought.
- **Intensify** – to increase in degree, strength, or severity.
- **Measured** – carefully considered, controlled, or moderate in approach.
- **Pacify** – to calm or bring peace to a person, group, or situation.

S3. Ans.(b)

Sol. The sentence describes an athlete's return after an injury. The first blank should indicate that people expected the return, and "**anticipated**" means expected or looked forward to with excitement or concern. The second blank should reflect uncertainty about whether he could perform well again, and "**uncertain**" means not sure, not predictable, or not definite, making this the best choice.

Meanings of all options:

- **Anticipated** – regarded as likely to happen; eagerly awaited.
- **Uncertain** – not definite or sure; unpredictable or unknown.
- **Unexpected** – not foreseen or predicted; surprising in nature.
- **Reassuring** – giving comfort, confidence, or reducing doubts or fears.
- **Disappointing** – failing to meet expectations, leading to dissatisfaction.
- **Celebrated** – widely recognized and admired, often due to achievements.
- **Inevitable** – certain to happen and impossible to avoid or prevent.
- **Dismissed** – rejected or refused to consider something seriously.
- **Predictable** – easy to foresee, expected, or lacking surprise.
- **Unnoticed** – not seen, observed, or given attention.

S4. Ans.(c)

Sol. The sentence discusses the impact of the whistleblower's testimony on lawmakers, implying that it was strong enough to cause concern. "**Damning**" means strongly critical or incriminating, providing evidence of wrongdoing, which fits the context. The second blank should indicate how lawmakers reacted to this testimony, and "**counter**" means to oppose or respond to something in order to weaken its effect, making this the best choice.

Meanings of all options:

- **Damning** – strongly critical or revealing evidence of guilt or failure.
- **Counter** – to oppose or act against something to reduce its impact.
- **Baseless** – without foundation or evidence; not supported by facts.
- **Ignore** – to refuse to acknowledge or pay attention to something.
- **Uninformative** – lacking useful or relevant information.
- **Dismiss** – to reject, disregard, or refuse to consider seriously.
- **Neutral** – not supporting either side in a conflict or argument.
- **Endorse** – to publicly approve or support something.
- **Deny** – to refuse to admit the truth or existence of something.

S5. Ans.(a)

Sol. The sentence describes a new scientific discovery that is both impressive and met with skepticism. "**Revolutionary**" means bringing significant change or innovation, often in a groundbreaking way, which fits the positive reception. The second blank refers to what researchers are trying to do with the discovery, and "**replicate**" means to reproduce or duplicate results in order to verify their accuracy, making this the best answer.

Meanings of all options:

- **Revolutionary** – causing a significant and fundamental change, often in science or society.
- **Replicate** – to duplicate, reproduce, or repeat a process to confirm results.
- **Trivial** – of little importance, value, or significance.
- **Ignore** – to deliberately disregard or not pay attention to something.
- **Debatable** – open to discussion or argument; not definitively proven.
- **Obscure** – to make unclear, difficult to understand, or hidden.
- **Conclusive** – serving to settle an issue; definitive and final.
- **Marginal** – of minor importance or relevance, having little effect.
- **Amplify** – to increase, strengthen, or expand something in size or effect.

S6. Ans.(b)

Sol. The correct answer is option (b).

Error Explanation:

- The phrase "**were seen roaming**" is incorrect because the subject "**The pack of wolves**" is singular.
- "Pack" is a collective noun and is considered singular when referring to the group as a unit.
- The correct verb should be "**was seen roaming**" instead of "**were seen roaming**".

Correct Sentence: "The pack of wolves **was** seen roaming near the deserted village at dawn."

S7. Ans.(b)

Sol. The correct answer is option (b).

Error Explanation:

- The phrase "**to fall into**" is incorrect because the verb "**escape**" is always followed by a **gerund (verb + ing)** and not an **infinitive (to + verb)**.
- The correct phrase should be "**escaped falling into**" instead of "**escaped to fall into**".

Correct Sentence: "She narrowly **escaped falling into** the deep trench near the cliff's edge."

S8. Ans.(c)

Sol. The correct answer is option (c).

Error Explanation:

- The phrase "**to go for a**" is incorrect because the verb "**insist**" is always followed by the preposition "**on**" and a **gerund (verb+ing)**, not an infinitive (to + verb).
- The correct phrase should be "**insisted on going for**" instead of "**insisted to go for**".

Correct Sentence: "Despite being warned about the storm, he **insisted on going for** a late-night drive."

S9. Ans.(b)

Sol. The correct answer is option (b).

Error Explanation:

- The phrase "**that he knows nothing**" is incorrect because after the verb "**pretended**", the correct verb tense should be in the **past tense** for consistency.
- The correct phrase should be "**that he knew nothing**" instead of "**that he knows nothing**".

Correct Sentence: "He pretended **that he knew nothing** about the secret plan discussed in the meeting."

S10. Ans.(a)

Sol. The correct answer is option (a).

Error Explanation:

- The phrase "**Not only he**" is incorrect because the correct structure for "**Not only... but also**" requires inversion.
- The correct phrase should be "**Not only did he**" instead of "**Not only he**".

Correct Sentence: "**Not only did he** ignore the warnings, but he also mocked the elders."

S11. Ans.(b)

Sol. The correct answer is option (b).

Error Explanation:

- The phrase "**an unique solution**" is incorrect because the article "**an**" is only used before words that begin with a vowel sound.
- "Unique" begins with a /ju:/ sound, which is a consonant sound, so "**a**" should be used instead of "**an**".

Correct Sentence: "She found **a unique solution** to the complex logistical problem."

S12. Ans.(b)

Sol. The correct answer is option (b).

Error Explanation:

- The phrase "**to blow out**" is incorrect because the correct phrasal verb is "**blow up**", which means "**to destroy something with an explosion**".
- "Blow out" means "**to extinguish (a flame or light)**", which does not fit in this context.

Correct Sentence: "The rebels planned **to blow up** the bridge before reinforcements arrived."

S13. Ans.(d)

Sol. Statement (I) is correct because the passage states that the reversal of online betting laws in the U.S. has created a ripple effect, influencing betting trends in Europe and beyond.

Statement (II) is incorrect as the passage does not mention traditional casinos becoming obsolete but only highlights the advantages of online platforms.

Statement (III) is correct as the passage explicitly states that online betting platforms use AI and blockchain technology to enhance security and facilitate seamless transactions.

S14. Ans.(d)

Sol. (a) Incorrect – The passage does not state that traditional casinos will **completely disappear**; it only contrasts them with online betting platforms.

(b) Incorrect – The passage does not mention **algorithm manipulation** by gambling companies to increase losses. It focuses on **gamification and accessibility** as risks.

(c) Incorrect – The passage highlights **increased sports engagement** due to online betting but does not mention it leading to **biased betting outcomes**.

(d) Correct – The passage states that *"a lack of financial literacy among new bettors exacerbates the potential for substantial monetary losses."* This makes financial education a major concern.

(e) Incorrect – While the passage discusses risks, it does not suggest that **governments will completely ban** online betting again. Instead, it emphasizes the **need for regulatory balance**.

S15. Ans.(b)

Sol. Statement b is incorrect.

(a) True – The passage states that *"the legislative reversal has catalyzed a global ripple effect, influencing betting dynamics in Europe and beyond."*

(b) False – The passage **never** claims that AI has completely **eliminated** gambling addiction. It acknowledges that responsible gambling initiatives exist but states that risks still persist.

(c) True – The passage states that *"the gamified nature of online casinos may obscure the psychological toll of compulsive gambling."*

S16. Ans.(b)

Sol. In the passage, **"engage"** is used to describe how online betting platforms hold users' attention through interactive and immersive experiences. The word **"captivate"** means to fascinate or deeply attract someone, making it the closest synonym.

The incorrect options:

- **Capture** means to physically seize or take something by force, which does not fully align with the meaning of "engage."
- **Emerge** means to come into view or existence, which is unrelated.
- **Replace** means to substitute something, which is different from engaging an audience.
- **Evolve** means to gradually develop, which does not convey the meaning of holding attention.

S17. Ans.(c)

Sol.

• **(a) Incorrect** – The passage states that **European** markets have **also benefited**, not just U.S. leagues.

• **(b) Incorrect** – While risks are mentioned, the passage **does not claim** responsible gambling initiatives have been **overwhelmed**.

• **(c) Correct** – The passage states that *"this legislative reversal has catalyzed a global ripple effect, influencing betting dynamics in Europe and beyond."* It also highlights **increased revenue and engagement** in sports.

• **(d) Incorrect** – The passage contradicts this by explicitly mentioning international influence.

• **(e) Incorrect** – The passage **does not state** that the sports industry has opposed online betting. Instead, it suggests increased **engagement**.

S18. Ans.(b)

Sol.

- (a) **Incorrect** – The passage **acknowledges regulation** in some regions, particularly Europe, meaning gambling is **not completely unregulated**.
- (b) **Correct** – The passage states that *"the accessibility and anonymity afforded by digital gambling platforms can foster addictive behaviors, particularly among impressionable youth."* It also warns about financial losses.
- (c) **Incorrect** – The passage **contradicts** this by stating that sports leagues have **benefited financially** from online betting.
- (d) **Incorrect** – The passage does **not** focus on the decline of casino culture, but rather on the risks **within** online gambling.
- (e) **Incorrect** – The passage **does not mention** market saturation or instability of gambling companies.

S19. Ans.(b)

Sol. The word "**vice**" in the passage refers to a harmful or immoral habit, particularly in the context of compulsive gambling. The opposite of "**vice**" is "**virtue**," which means moral excellence or good behavior.

The incorrect options:

- **Corruption** refers to dishonesty or unethical behavior, which is similar to vice.
- **Immorality** means a lack of moral principles, which is also similar to vice.
- **Sin** refers to a wrongful act, often in a religious context, making it synonymous with vice.
- **Depravity** means moral corruption or wickedness, which aligns with vice rather than being its opposite.

S20. Ans.(c)

Sol.

- Statement (I) is incorrect because the passage explicitly states that the legalization of online betting in the U.S. has had a ripple effect globally, including in Europe.
- Statement (II) is correct, as the passage mentions that online gambling is more engaging due to the gamification of interfaces.
- Statement (III) is correct, as the passage states that live-streaming services have been integrated to enhance real-time interaction.

S21. Ans.(b)

Sol. The word "**launching**" in the passage refers to the act of starting or introducing something new, such as a gambling platform. "**Initiating**" means beginning or setting something in motion, which is the closest synonym. The incorrect options:

- **Terminating** means ending or stopping something, which is the opposite of launching.
- **Encouraging** means motivating or supporting, which does not convey the idea of starting something.
- **Preponing** means rescheduling something to an earlier time, which is unrelated to launching.
- **Withdrawing** means pulling back or removing, which is also the opposite of launching.

S22. Ans.(b)

Sol. The correct answer is CAB.

Error Explanation:

- The word "**torrential**" (A) should describe "**rain**", not the temple.
- The word "**majestic**" (B) should describe "**structure**", not the rain.
- The word "**crumbled**" (C) should describe the state of the "**temple**", not the structure directly.

Correct Sentence:

"The ancient temple **crumbled** under the relentless force of the **torrential** rain, leaving only fragments of its once **majestic** structure scattered across the valley."

S23. Ans.(a)

Sol. The correct answer is CBA.

Error Explanation:

- The word "**pivotal**" (A) should describe "**strategic advantage**", not "to launch".
- The word "**reluctance**" (C) should describe "**to launch**", meaning hesitation.
- The word "**offensive**" (B) is correctly placed.

Correct Sentence:

"The commander's **reluctance** to launch the **offensive** at dawn cost the army a **pivotal** strategic advantage in the battle."

S24. Ans.(e)

Sol. The correct answer is No rearrangement required.

Explanation:

- The words "**astute**", "**crucial**", and "**unraveled**" are already placed correctly.
- No rearrangement is needed as the sentence conveys the intended meaning clearly.

Correct Sentence:

"The detective's **astute** observations led to a **crucial** clue that **unraveled** the mystery."

S25. Ans.(b)

Sol. Correct answer: (b) CAB

Error Explanation:

- The word "**adversity**" (B) should describe the **situation** in which the leader's attitude is tested.
- The word "**resilient**" (A) should describe **attitude**, not **determination**.
- The word "**fearless**" (C) should describe **determination**, as it conveys confidence in facing challenges.

Correct Sentence:

"The leader's attitude in adversity was resilient and motivated his team to face challenges with fearless determination."

S26. Ans.(b)

Sol. The correct sequence is FBADCE.

The sentences are rearranged logically to form a coherent and meaningful paragraph about how women in a village addressed water shortages and gained government support for their efforts.

- **Sentence (F) is the first** because it introduces the problem—water shortage in the village—for decades.
- **Sentence (B) follows** as it adds a timeline (1990s) and explains how women took action to solve the crisis.

- **Sentence (A) comes next** because it describes the impact of their efforts, i.e., successful irrigation and farming revival.
- **Sentence (D) is placed fourth** as it logically follows, showing how the government recognized and rewarded their work.
- **Sentence (C) is next** as it continues the idea of government support by mentioning new policies for women's empowerment.
- **Sentence (E) concludes** the paragraph by summarizing the broader significance of this movement for sustainability and gender progress.

This order ensures a clear and logical flow of ideas, from the problem to the solution, government intervention, and the overall impact.

S27. Ans.(d)

Sol. The correct sequence is FBADCE.

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S28. Ans.(c)

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This order ensures a clear and logical flow of ideas, from the problem to the solution, government intervention, and the overall impact.

S29. Ans.(a)

Sol. The correct sequence is FBADCE.

The sentences are rearranged logically to form a coherent and meaningful paragraph about how women in a village addressed water shortages and gained government support for their efforts.

- **Sentence (F) is the first** because it introduces the problem—water shortage in the village—for decades.
- **Sentence (B) follows** as it adds a timeline (1990s) and explains how women took action to solve the crisis.
- **Sentence (A) comes next** because it describes the impact of their efforts, i.e., successful irrigation and farming revival.
- **Sentence (D) is placed fourth** as it logically follows, showing how the government recognized and rewarded their work.
- **Sentence (C) is next** as it continues the idea of government support by mentioning new policies for women's empowerment.
- **Sentence (E) concludes** the paragraph by summarizing the broader significance of this movement for sustainability and gender progress.

This order ensures a clear and logical flow of ideas, from the problem to the solution, government intervention, and the overall impact.

S30. Ans.(e)

Sol. The correct sequence is FBADCE.

The sentences are rearranged logically to form a coherent and meaningful paragraph about how women in a village addressed water shortages and gained government support for their efforts.

- **Sentence (F) is the first** because it introduces the problem—water shortage in the village—for decades.
- **Sentence (B) follows** as it adds a timeline (1990s) and explains how women took action to solve the crisis.
- **Sentence (A) comes next** because it describes the impact of their efforts, i.e., successful irrigation and farming revival.
- **Sentence (D) is placed fourth** as it logically follows, showing how the government recognized and rewarded their work.
- **Sentence (C) is next** as it continues the idea of government support by mentioning new policies for women's empowerment.
- **Sentence (E) concludes** the paragraph by summarizing the broader significance of this movement for sustainability and gender progress.

This order ensures a clear and logical flow of ideas, from the problem to the solution, government intervention, and the overall impact.

S31. Ans.(e)

Sol.

- **A-D:** "Struggling to navigate the stormy seas, they refused to abandon hope." (*This forms a complete and meaningful sentence.*)
- **B-E:** "The unexpected turn of events left the entire nation in shock." (*This is correct, but not part of the answer choices.*)
- **C-F:** "Enduring the relentless hardships, he emerged stronger than before." (*This forms a complete and meaningful sentence.*)

Correct Pairs: A-D and C-F

S32. Ans.(d)

Sol.

- **A-D:** "Concealing his growing frustration, was an act of defiance." (*Incorrect because "Concealing his growing frustration" is a dependent clause and does not fit properly with "was an act of defiance."*)
- **B-E:** "The sudden betrayal of his closest ally shattered his faith in loyalty." (*This forms a complete and meaningful sentence.*)
- **C-F:** "Fiercely resisting the oppressive rule, was rolling hills in a warm glow." (*Incorrect because "was rolling hills in a warm glow" does not make logical sense in this context.*)

Correct Pair: B-E

S33. Ans.(a)

Sol. The sentence states that black pepper is an essential component of cuisines worldwide and has been used for centuries. Since the present relevance of black pepper is emphasized, the verb must be in the **present simple tense** to indicate a **general fact**.

- **"Remains"** means continues to be or still is, which suits the sentence best.
- Other options like **"signifies," "denotes," "embodies," and "constitutes"** focus on meaning or representation rather than **continued existence**.

Meanings of all options:

- **Remains** – continues to be in the same state without changing or disappearing.
- **Signifies** – serves as a symbol, indication, or representation of something.
- **Denotes** – explicitly states or refers to the exact meaning of something.
- **Embodies** – represents or expresses an idea, quality, or concept in a tangible or recognizable form.
- **Constitutes** – makes up or forms a part of something larger or important.

S34. Ans.(e)

Sol. The sentence discusses how black pepper was originally cultivated in South Asia. Since this refers to a **past action**, we need **past simple tense**.

- **"Was"** correctly reflects that black pepper was cultivated in the past.
- **"Had been" and "was being"** suggest **past perfect** and **past continuous**, which are incorrect here as there is no indication of another past action happening before or simultaneously.

Meanings of all options:

- **Is** – present tense of "to be," meaning something currently exists.
- **Has** – present perfect, used when something started in the past and continues to the present.
- **Had been** – past perfect, used when an action was completed before another past action.
- **Was being** – past continuous, implying an action was ongoing at a past time.
- **Was** – simple past, used for an event that happened and was completed in the past.

S35. Ans.(c)

Sol. The sentence describes where black pepper's aroma comes from. Since **"comes"** is in present simple, the verb in this blank must also be in **present simple tense** to indicate a **general truth**.

- **Originates** – begins or starts from a specific place or situation.
- **Other options like "emerges, stems, and exudes"** are more about **growth, flow, or spreading**, which do not directly fit the meaning of an aroma coming from oils.

Meanings of all options:

- **Emerge** – comes into view, develops, or becomes visible.
- **Derives** – originates from a particular source or has something as its root cause.
- **Originates** – begins or starts from a specific place or situation.
- **Stems** – results or arises from something as its cause or basis.
- **Exudes** – gives off or releases something, such as a liquid, smell, or emotion.

S36. Ans.(a)

Sol. The sentence states that black pepper **is widely used today**, which means we need **present simple tense** to indicate a **current fact**.

- **"Is"** correctly fits, as black pepper is **still widely used**.
- **"Was" and "had been"** would incorrectly imply that black pepper is no longer widely used.

Meanings of all options:

- **Is** – present tense of "to be," indicating something currently exists or happens.
- **Was** – simple past, used for something that happened and was completed in the past.
- **Has been** – present perfect, used for an action that started in the past and continues to the present.
- **Had been** – past perfect, used when an event happened before another past action.
- **Will be** – future tense, referring to something expected to happen later.

S37. Ans.(b)

Sol. The sentence states that black pepper **was once considered** a luxury item, which describes a **past situation**.

- **"Was"** correctly reflects that black pepper **used to be valuable** in ancient times.
- **"Has" and "is"** are incorrect because they suggest black pepper is **still considered a luxury**, which is not the intended meaning.

Meanings of all options:

- **Has** – present perfect, used when an action from the past still has relevance in the present.
- **Was** – simple past, referring to a completed action or state in the past.
- **Had** – past perfect, indicating that an event occurred before another past event.
- **Is** – present tense, meaning something currently happens or exists.

S38. Ans.(a)

Sol. The sentence explains that **grinding leads to essential oils dissipating over time**, meaning it is a **cause-effect relationship** that happens every time pepper is ground.

- **"Causes"** is correct because it expresses a **general truth in present simple tense**.
- **"Has caused" and "had caused"** are incorrect as they refer to **specific past actions**, not a repeated occurrence.

Meanings of all options:

- **Causes** – brings about an effect or result, usually in a general or repeated context.
- **Had caused** – past perfect, used when something caused an event before another past action.
- **cause** – future tense, indicating something that will result in an effect later.

S39. Ans.(a)

Sol.

- The phrase "**Despite of the heavy storm**" is incorrect because "**despite**" does not require the preposition "**of**."
- The correct structure is "**Despite + noun/gerund**" (e.g., *Despite the rain, Despite his efforts*).
- "**In spite of**" is a correct alternative but "**in spite**" alone is incorrect.
- Other options (b), (c), and (d) are grammatically incorrect.

Correct Sentence: *Despite the heavy storm, the fishermen decided to set sail early in the morning.*

S40. Ans.(d)

Sol.

- The sentence "**Had he known about the crisis, he would help his colleagues before leaving.**" is incorrect because it describes a **past hypothetical** situation.
- This requires a **third conditional** structure:

If + past perfect, subject + would have + past participle.

- **Correct structure:** *Had he known about the crisis, he **would have helped** his colleagues before leaving.*

S41. Ans.(a)

Sol.

For A,

Occupied flats in A is 300

$$\text{Vacant flats} = \frac{40}{60} \times 300 = 200$$

Let the flats occupied by public sector and private sector employees be 2m and m.

$$(4x+40) \times \frac{2m+1m}{2m} + 200 = 500$$

$$(4x + 40) \times \frac{3}{2} + 200 = 500$$

$$200 = 4x + 40$$

$$160 = 4x$$

$$40 = x$$

For B,

$$\text{Total flats occupied by private sector employees} = \frac{5}{8} \times 240 = 150$$

$$\text{Vacant flats} = \frac{150+240}{75} \times 25 = 130$$

Similarly for others

Buildings	Occupied	Vacant	Public	Private	Total
A	300	200	200	100	500
B	390	130	240	150	520
C	480	120	300	180	600
D	225	275	150	75	500

Total flats occupied by public sector employees = 200

Total flats occupied by private sector employees = 100

Total flats occupied by public sector female employees = 120

Total flats occupied by public sector male employees = 200 - 120 = 80

Total flats occupied by private sector male employees = $\frac{120}{120} \times 100 = 100$

Total flats occupied by private sector female employees = $100 - 100 = 0$

Required answer = $80 + 0 = 80$

S42. Ans.(a)

Sol.

For A,

Occupied flats in A is 300

Vacant flats = $\frac{40}{60} \times 300 = 200$

Let the flats occupied by public sector and private sector employees be $2m$ and m .

$$(4x+40) \times \frac{2m+1m}{2m} + 200 = 500$$

$$(4x + 40) \times \frac{3}{2} + 200 = 500$$

$$200 = 4x + 40$$

$$160 = 4x$$

$$40 = x$$

For B,

Total flats occupied by private sector employees = $\frac{5}{8} \times 240 = 150$

Vacant flats = $\frac{150+240}{75} \times 25 = 130$

Similarly for others

Buildings	Occupied	Vacant	Public	Private	Total
A	300	200	200	100	500
B	390	130	240	150	520
C	480	120	300	180	600
D	225	275	150	75	500

The ratio occupied to vacant flat is same as building B be 3:1

So, occupied to vacant flat in F be $3m$ and m .

flats occupied by public sector employees = $\frac{100+150}{2} = 125$

ATQ,

$$m = \frac{2}{5} \times \text{flats occupied by public sector employees}$$

$$m = \frac{2}{5} \times 125$$

$$50 = m$$

Total flats occupied by private sector employees in F = $3m - 125 = 25$

S43. Ans.(b)

Sol.

For A,

Occupied flats in A is 300

Vacant flats = $\frac{40}{60} \times 300 = 200$

Let the flats occupied by public sector and private sector employees be $2m$ and m .

$$(4x+40) \times \frac{2m+1m}{2m} + 200 = 500$$

$$(4x + 40) \times \frac{3}{2} + 200 = 500$$

$$200 = 4x + 40$$

$$160 = 4x$$

$$40 = x$$

For B,

$$\text{Total flats occupied by private sector employees} = \frac{5}{8} \times 240 = 150$$

$$\text{Vacant flats} = \frac{150+240}{75} \times 25 = 130$$

Similarly for others

Buildings	Occupied	Vacant	Public	Private	Total
A	300	200	200	100	500
B	390	130	240	150	520
C	480	120	300	180	600
D	225	275	150	75	500

$$\text{Required ratio} = 120+390:180:150 = 510:330 = 170:110 = 17:11$$

S44. Ans.(b)

Sol.

For A,

Occupied flats in A is 300

$$\text{Vacant flats} = \frac{40}{60} \times 300 = 200$$

Let the flats occupied by public sector and private sector employees be $2m$ and m .

$$(4x+40) \times \frac{2m+1m}{2m} + 200 = 500$$

$$(4x + 40) \times \frac{3}{2} + 200 = 500$$

$$200 = 4x + 40$$

$$160 = 4x$$

$$40 = x$$

For B,

$$\text{Total flats occupied by private sector employees} = \frac{5}{8} \times 240 = 150$$

$$\text{Vacant flats} = \frac{150+240}{75} \times 25 = 130$$

Similarly for others

Buildings	Occupied	Vacant	Public	Private	Total
A	300	200	200	100	500
B	390	130	240	150	520
C	480	120	300	180	600
D	225	275	150	75	500

Public sector employees have car in D = 20% of 150 = 30

Public sector employees have bike in D = 150 - 30 = 120

Private sector employees have bike in D = 40% of 75 = 30

Private sector employees have car in D = 75 - 30 = 45

Required answer = 120 - 45 = 75

S45. Ans.(d)

Sol.

For A,

Occupied flats in A is 300

$$\text{Vacant flats} = \frac{40}{60} \times 300 = 200$$

Let the flats occupied by public sector and private sector employees be $2m$ and m .

$$(4x+40) \times \frac{2m+1m}{2m} + 200 = 500$$

$$(4x + 40) \times \frac{3}{2} + 200 = 500$$

$$200 = 4x + 40$$

$$160 = 4x$$

$$40 = x$$

For B,

$$\text{Total flats occupied by private sector employees} = \frac{5}{8} \times 240 = 150$$

$$\text{Vacant flats} = \frac{150+240}{75} \times 25 = 130$$

Similarly for others

Buildings	Occupied	Vacant	Public	Private	Total
A	300	200	200	100	500
B	390	130	240	150	520
C	480	120	300	180	600
D	225	275	150	75	500

$$\text{Total flats in a floor} = 2.5x = 100$$

$$\text{Total floors in C and D} = \frac{600}{100} + \frac{500}{100} = 6 + 5 = 11$$

S46. Ans.(b)

Sol.

$$(20 + 10 + 25 + X + 2X)\% = 100\%$$

$$3X = 45$$

$$X = 15$$

Total number of magazines and newspapers published by A = 130

Total number of magazines published by A = 50

Total number of newspapers published by A = $130 - 50 = 80$

Total number of newspapers published by all the five publishers = $\frac{80}{20} \times 100 = 400$

Total number of newspapers published by B = $400 \times \frac{10}{100} = 40$

Total number of newspapers published by C = $400 \times \frac{25}{100} = 100$

Total number of newspapers published by D = $400 \times \frac{15}{100} = 60$

Total number of newspapers published by E = $400 \times \frac{30}{100} = 120$

Total number of magazines published by B = $180 - 40 = 140$

Total number of magazines published by C = $200 - 100 = 100$

Total number of magazines published by D = $240 - 60 = 180$

Total number of magazines published by E = $150 - 120 = 30$

The total number of newspapers published by F = $\frac{5}{4} \times 100 = 125$

Total number of magazines published by F = $\frac{140}{7} \times 4 = 80$

Required difference = $125 - 80 = 45$

S47. Ans.(e)

Sol.

$$(20 + 10 + 25 + X + 2X)\% = 100\%$$

$$3X = 45$$

$$X = 15$$

Total number of magazines and newspapers published by A = 130

Total number of magazines published by A = 50

Total number of newspapers published by A = $130 - 50 = 80$

Total number of newspapers published by all the five publishers = $\frac{80}{20} \times 100 = 400$

Total number of newspapers published by B = $400 \times \frac{10}{100} = 40$

Total number of newspapers published by C = $400 \times \frac{25}{100} = 100$

Total number of newspapers published by D = $400 \times \frac{15}{100} = 60$

Total number of newspapers published by E = $400 \times \frac{30}{100} = 120$

Total number of magazines published by B = $180 - 40 = 140$

Total number of magazines published by C = $200 - 100 = 100$

Total number of magazines published by D = $240 - 60 = 180$

Total number of magazines published by E = $150 - 120 = 30$

Number of magazines sold by A = $50 \times \frac{40}{100} = 20$

Number of newspapers sold by A = $80 \times \frac{80}{100} = 64$

Required ratio = $20 : 64$

= $5 : 16$

S48. Ans.(a)

Sol.

$$(20 + 10 + 25 + X + 2X)\% = 100\%$$

$$3X = 45$$

$$X = 15$$

Total number of magazines and newspapers published by A = 130

Total number of magazines published by A = 50

Total number of newspapers published by A = $130 - 50 = 80$

Total number of newspapers published by all the five publishers = $\frac{80}{20} \times 100 = 400$

Total number of newspapers published by B = $400 \times \frac{10}{100} = 40$

Total number of newspapers published by C = $400 \times \frac{25}{100} = 100$

Total number of newspapers published by D = $400 \times \frac{15}{100} = 60$

Total number of newspapers published by E = $400 \times \frac{30}{100} = 120$

Total number of magazines published by B = $180 - 40 = 140$

Total number of magazines published by C = $200 - 100 = 100$

Total number of magazines published by D = $240 - 60 = 180$

Total number of magazines published by E = $150 - 120 = 30$

The number of sports magazines published by D = $180 \times \frac{5}{9} = 100$

Required percentage = $\frac{100}{80} \times 100 = 125\%$

S49. Ans.(e)

Sol.

$$(20 + 10 + 25 + X + 2X)\% = 100\%$$

$$3X = 45$$

$$X = 15$$

Total number of magazines and newspapers published by A = 130

Total number of magazines published by A = 50

Total number of newspapers published by A = $130 - 50 = 80$

Total number of newspapers published by all the five publishers = $\frac{80}{20} \times 100 = 400$

Total number of newspapers published by B = $400 \times \frac{10}{100} = 40$

Total number of newspapers published by C = $400 \times \frac{25}{100} = 100$

Total number of newspapers published by D = $400 \times \frac{15}{100} = 60$

Total number of newspapers published by E = $400 \times \frac{30}{100} = 120$

Total number of magazines published by B = $180 - 40 = 140$

Total number of magazines published by C = $200 - 100 = 100$

Total number of magazines published by D = $240 - 60 = 180$

Total number of magazines published by E = $150 - 120 = 30$

Total number of newspapers published by G = $4(15) + 120 = 180$

Total number of magazines published by = $50 - 15 = 35$

Required sum = $180 + 35 = 215$

S50. Ans.(a)

Sol.

$$(20 + 10 + 25 + X + 2X)\% = 100\%$$

$$3X = 45$$

$$X = 15$$

Total number of magazines and newspapers published by A = 130

Total number of magazines published by A = 50

Total number of newspapers published by A = $130 - 50 = 80$

Total number of newspapers published by all the five publishers = $\frac{80}{20} \times 100 = 400$

Total number of newspapers published by B = $400 \times \frac{10}{100} = 40$

Total number of newspapers published by C = $400 \times \frac{25}{100} = 100$

Total number of newspapers published by D = $400 \times \frac{15}{100} = 60$

Total number of newspapers published by E = $400 \times \frac{30}{100} = 120$

Total number of magazines published by B = $180 - 40 = 140$

Total number of magazines published by C = $200 - 100 = 100$

Total number of magazines published by D = $240 - 60 = 180$

Total number of magazines published by E = $150 - 120 = 30$

Total number of magazines published by F = $12(15) - 140 = 40$

$$\text{Required average} = \frac{40+180}{2} = 110$$

S51. Ans.(b)

Sol.

Let the investment of A and B be Rs $4a$ and Rs $5a$ respectively.

The profit-sharing ratio of A to B = $4a \times 1 : 5a \times 12 = 4:5$

Let the total profit be Rs $900x$

$$\text{The profit share of A} = 900x \times \frac{30}{10} \times \frac{1}{2} + 900x \times \frac{70}{100} \times \frac{4}{9} = 135x + 280x = 415x$$

$$\text{The profit share of B} = 900x \times \frac{30}{10} \times \frac{1}{2} + 900x \times \frac{70}{100} \times \frac{5}{9} = 135x + 350x = 485x$$

ATQ,

$$485x - 415x = 280$$

$$x = 4$$

$$\text{The total profit} = 900 \times 4 = \text{Rs } 3600$$

S52. Ans.(e)

Sol. ATQ,

$$(X+14) \times X + 64 = (X+1)(X+16)$$

$$14X + 64 = 17X + 16$$

$$48 = 3X$$

$$X = 16$$

S53. Ans.(d)

Sol. Let principal amount be P Rs

Rate of interest be R%

Time period T years

ATQ,

$$13P - P = \frac{P \times R \times T}{100}$$

$$1200 = R \times T$$

$$\text{Given, } R = 3T$$

$$3T \times T = 1200$$

$$T = 20$$

$$R = 3T = 3(20) = 60$$

S54. Ans.(b)

Sol.

Let the downstream speed of the boat be $6x$ km/hr

$$\text{And the speed of the stream} = 6x \times \frac{1}{6} = x \text{ km/hr}$$

$$\text{The speed of the boat in still water} = 6x - x = 5x \text{ km/hr}$$

Given, $\frac{120}{5} = (5x - x)$

$$24 = 4x$$

$$6 = x$$

The speed of the stream = 6 km/hr

The speed of the boat in still water = 30 km/hr

ATQ,

$$\frac{D - 3}{36} + \frac{D + 30}{30} = 5.5$$

$$(5D - 15 + 6D + 180) = 990$$

$$11D = 825$$

$$D = 75$$

S55. Ans.(d)

Sol. Let milk and water in vessel X be $5x$ and $3x$ respectively

And milk and water in vessel Y be $7y$ and $5y$ respectively

Give, $7y - 5y = 3x$

$$2y = 3x$$

$$y : x = 3 : 2$$

Let $y = 3a$ and $x = 2a$

ATQ, $5y = 5x + 5$

$$15a - 10a = 5$$

$$a = 1$$

Total mixture in X = 16 liters

S56. Ans.(a)

Sol. $X + Y + Z = 190$ years

Given, $X < Y < Z$

$$Y - X = 2(Z - Y)$$

Also, let age of Y and Z be $7x$ and $9x$ respectively

$$X + 7x + 9x = 190$$

$$16x = 190 - X \text{ ----(i)}$$

Only (a) can satisfy the equation

So, minimum possible age of X = 30

S57. Ans.(d)

Sol.

Let $X = 100x$

So, marked price of the article = $100x \times \frac{140}{100} = 140x$ Rs.

And, the selling price of the article = $140x \times \frac{80}{100} = 112x$ Rs.

Give, new cost price = $100x - 100$ Rs

And new selling price = $112x + 80$ Rs.

$$\frac{160}{100} \times (100x - 100) = 112x + 80$$

$$160x - 160 = 112x + 80$$

$$48x = 240$$

$$x = 5$$

$$\text{So, } X = 100 \times 5 = 500 \text{ Rs.}$$

$$\text{Original selling price of the article} = 112 \times 5 = 560 \text{ Rs.}$$

S58. Ans.(d)

Sol. Questions based on approximate value, so we will solve it by taking approximate values

$$\text{Total simple interest received by man from scheme A} = (X - 2500) \times \frac{8 \times 5}{100} = (0.40X - 1000) \text{ Rs.}$$

$$\text{Equivalent rate of interest at rate of 20\% p.a. for two years} = \left(10 + 10 + \frac{10 + 10}{100}\right) = 21\%$$

$$\text{ATQ, } 0.40X - 1000 - 0.21X = 900$$

$$0.19X = 1900$$

$$X = 10000$$

$$\text{Required amount} = 10000 - 2500 = 7500 \text{ Rs.}$$

S59. Ans.(d)

Sol. Pattern of series

8	21	41	72	116	177	257
13	20	31	44	61	80	
+7	+11	+13	+17	+19		

S60. Ans.(e)

Sol. Pattern of series –

$$5040 \times \frac{1}{7} = 720$$

$$720 \times \frac{1}{6} = 120$$

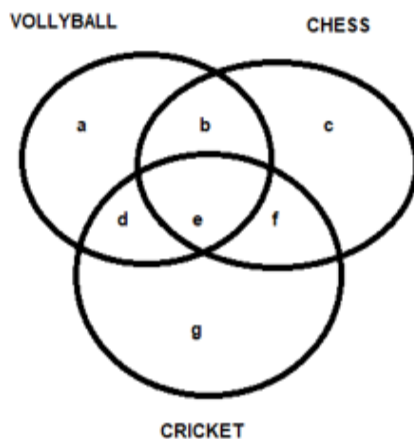
$$120 \times \frac{1}{5} = 24$$

$$24 \times \frac{1}{4} = 6$$

$$6 \times \frac{1}{3} = 2$$

S61. Ans.(a)

Sol.



$$e = 50$$

$$a = x + 10$$

$$c = x + 10 - 15 = x - 5$$

$$g = 28$$

$$21 \times 3 = x + 10 + x - 5 + 28$$

$$30 = 2x$$

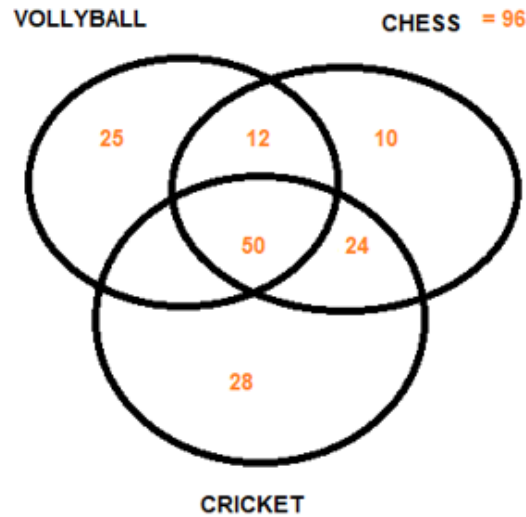
$$15 = x$$

Let b and f = n and 2n

$$n + 2n + e + c = 96$$

$$n + 2n + 50 + 10 = 96$$

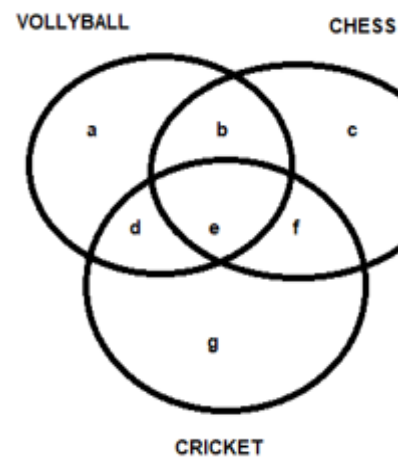
$$12 = n$$



Required ratio = 24: 25

S62. Ans.(b)

Sol.



$$e = 50$$

$$a = x + 10$$

$$c = x + 10 - 15 = x - 5$$

$$g = 28$$

$$21 \times 3 = x + 10 + x - 5 + 28$$

$$30 = 2x$$

$$15 = x$$

Let b and f = n and 2n

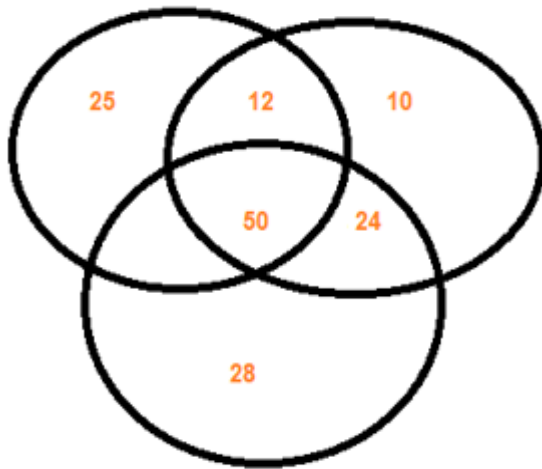
$$n + 2n + e + c = 96$$

$$n + 2n + 50 + 10 = 96$$

$$12 = n$$

VOLLYBALL

CHESS = 96



CRICKET

People who like only one game = $25 + 10 + 28 = 63$

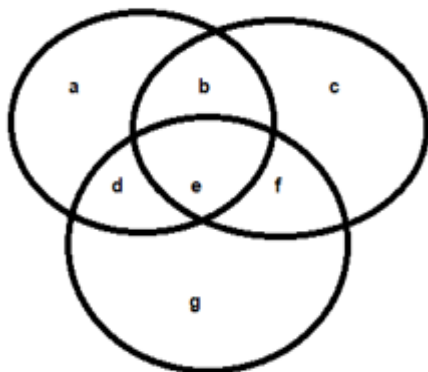
Required answer = $63 - 50 = 13$

S63. Ans.(c)

Sol.

VOLLYBALL

CHESS



CRICKET

$$e = 50$$

$$a = x + 10$$

$$c = x + 10 - 15 = x - 5$$

$$g = 28$$

$$21 \times 3 = x + 10 + x - 5 + 28$$

$$30 = 2x$$

$$15 = x$$

Let b and f = n and 2n

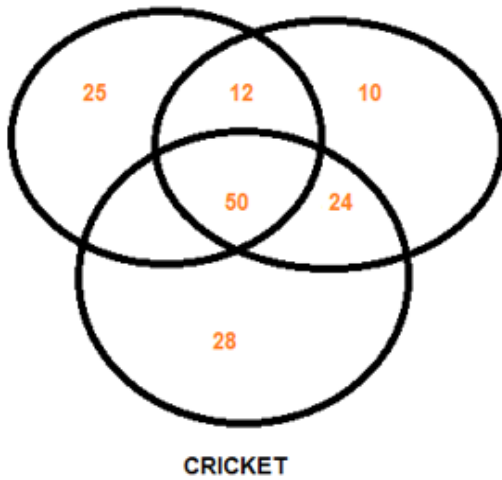
$$n + 2n + e + c = 96$$

$$n + 2n + 50 + 10 = 96$$

$$12 = n$$

VOLLYBALL

CHESS = 96



$$2 \times 28 = d$$

$$56 = d$$

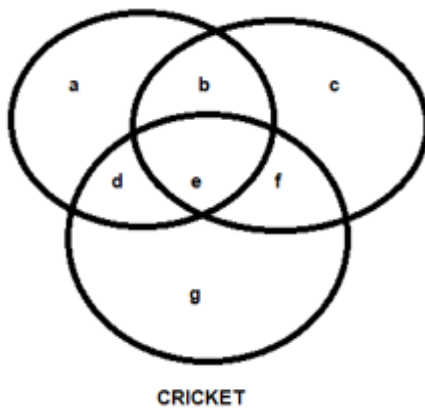
$$\text{Total people who like vollyball} = 25 + 12 + 50 + 56 = 143$$

S64. Ans.(b)

Sol.

VOLLYBALL

CHESS



$$e = 50$$

$$a = x + 10$$

$$c = x + 10 - 15 = x - 5$$

$$g = 28$$

$$21 \times 3 = x + 10 + x - 5 + 28$$

$$30 = 2x$$

$$15 = x$$

Let b and f = n and 2n

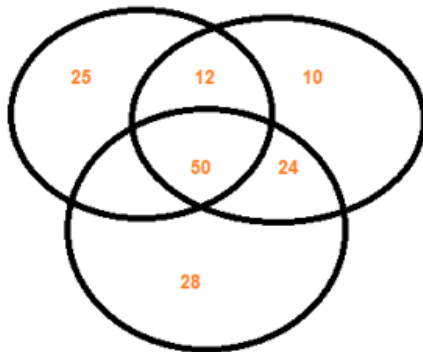
$$n + 2n + e + c = 96$$

$$n + 2n + 50 + 10 = 96$$

$$12 = n$$

VOLLYBALL

CHES = 96



CRICKET

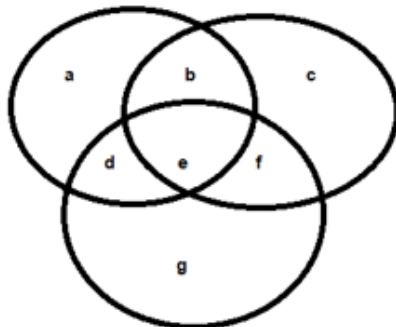
Value of $x = 15$

S65. Ans.(a)

Sol.

VOLLYBALL

CHES



CRICKET

$$e = 50$$

$$a = x + 10$$

$$c = x + 10 - 15 = x - 5$$

$$g = 28$$

$$21 \times 3 = x + 10 + x - 5 + 28$$

$$30 = 2x$$

$$15 = x$$

Let b and $f = n$ and $2n$

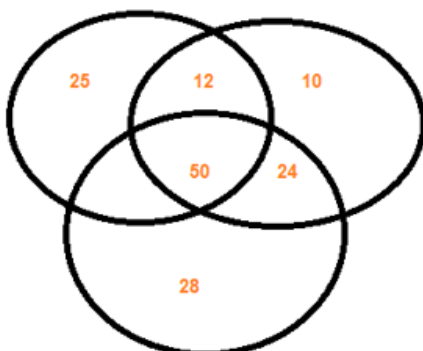
$$n + 2n + e + c = 96$$

$$n + 2n + 50 + 10 = 96$$

$$12 = n$$

VOLLYBALL

CHES = 96



CRICKET

$$\text{Females who like chess} = \frac{5}{7+5} \times 96 = 40$$

$$\text{Required answer} = \frac{50-40}{50} = 20\%$$

S66. Ans.(c)

Sol. Let five consecutive even numbers series $A = a, a+2, a+4, a+6$ and $a+8$

Let five consecutive odd numbers series $B = b, b+2, b+4, b+6$ and $b+8$

$$\text{ATQ, } a+4 - b+4 = 3$$

$$a - b = 3 \text{ --- (i)}$$

$$\text{given } a+b = 397 \text{ --- (ii)}$$

From (i) and (ii) we get

$$a = 200$$

$$\text{and } b = 197$$

$$\text{Required sum} = (200+4) + (197+4) = 405$$

S67. Ans.(c)

Sol. Let length and breadth of the rectangle be $26x$ and $11x$ respectively

$$\text{So, radius of the circle} = 11x \times \frac{7}{11} = 7x$$

$$\text{ATQ, } 26x \times 11x - 22 \times 7 \times 49x^2 = 528$$

$$132x = 528$$

$$x = 4$$

$$\text{Required radius} = 4 \times 7 = 28 \text{ cm}$$

S68. Ans.(a)

Sol.

$$\text{Sum of present age of A and B} = 2 \times 30 + 20 = 80 \text{ years}$$

$$\text{Let present age of A} = 5x - 8 \text{ years}$$

$$\text{And present age of B} = 7x - 8 \text{ years}$$

$$\text{ATQ, } 12x - 16 = 80$$

$$12x = 96$$

$$x = 8$$

$$\text{Age of B three years ago} = (7 \times 8 - 8) - 3 = 45$$

$$\text{So, present age of C} = 45 \times \frac{7}{9} + 5 = 40 \text{ years}$$

S69. Ans.(c)

Sol.

$$\text{From I. Let income of S} = 25x$$

$$\text{So, income of V} = 25x \times \frac{96}{100} = 24x$$

$$\text{Let expenditure of V} = 7y$$

$$\text{So, expenditure of S} = 8y$$

$$\text{D spends } \frac{3}{5} \text{ th of his income.}$$

$$\text{From II. Saving of S} = 14000 \text{ Rs.}$$

$$\text{Saving of Veer} = 14800$$

$$\text{And, Income of D is Rs. 2000 more than that of S}$$

From I & II. $\frac{(25x-14000)}{(24x-14800)} = \frac{8y}{7y}$

$17x = 20400$

$x = 1200 \text{ Rs.}$

Income of D = $25 \times 1200 + 2000 = 32000 \text{ Rs.}$

Saving of D = $\frac{2}{5} \times 32000 = 12800 \text{ Rs.}$

Respective ratio of saving of V & D = $14800 : 12800 = 37 : 32$

So, statement I & II together is sufficient to give answer of the question.

S70. Ans.(c)

Sol.

From I. Total age of A & N = 48 years

From II. Let age of S be x years

age of N = $(x + 4)$ years

age of R = $2x$ years

then, age of A = $3x$ years

ATQ,

$$\frac{3x+x+4}{2} = 24 \text{ years}$$

$$x = 11 \text{ years}$$

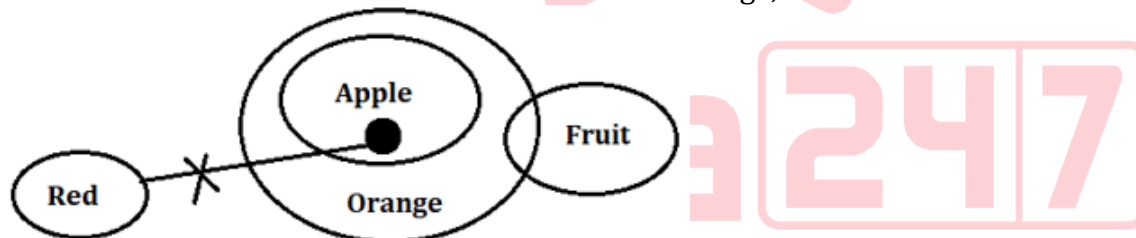
age of R 2 years later = $2 \times 11 + 2 = 24 \text{ years}$

Can be answered from I & II together

S71. Ans.(a)

Sol. I. Follow: No direct relation between fruit and apple, so possible relation will follow.

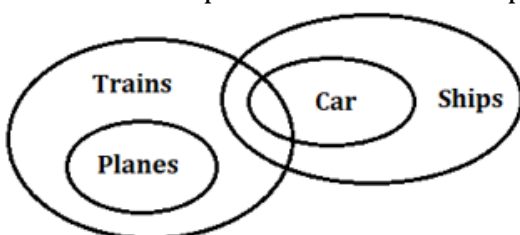
II. Not follow: No direct relation between red and orange, so definite relation will not follow.



S72. Ans.(b)

Sol. I. Not follow: The relation of planes is restricted with other elements except trains. So, the relation will not follow even in possibility.

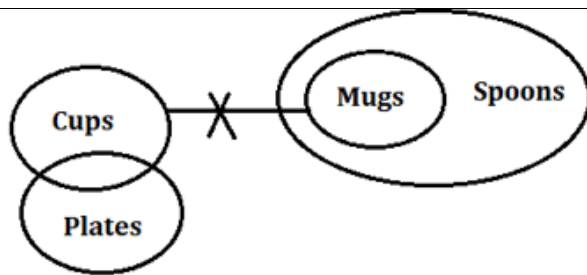
II. Follow: The part of trains which is planes will never be ships.



S73. Ans.(d)

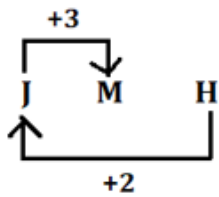
Sol. I. Follow: No direct relation between plates and spoons, so, possible relation will follow.

II. Follow: Because of 'only a few' relation, some part of cups will definitely not be plates.



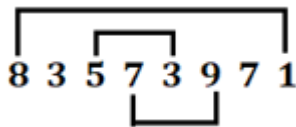
S74. Ans.(e)

Sol.



S75. Ans.(c)

Sol.



S76. Ans.(b)

Sol.

Designations	Persons
CEO	C
CFO	G
CTO	H
CMO	F
VP	D
GM	A
AGM	I
DGM	B
Manager	E

S77. Ans.(c)

Sol.

Designations	Persons
CEO	C
CFO	G
CTO	H
CMO	F
VP	D
GM	A
AGM	I
DGM	B
Manager	E

S78. Ans.(e)

Sol.

Designations	Persons
CEO	C
CFO	G
CTO	H
CMO	F
VP	D
GM	A
AGM	I
DGM	B
Manager	E

S79. Ans.(d)

Sol.

Designations	Persons
CEO	C
CFO	G
CTO	H
CMO	F
VP	D
GM	A
AGM	I
DGM	B
Manager	E

S80. Ans.(b)

Sol.

Designations	Persons
CEO	C
CFO	G
CTO	H
CMO	F
VP	D
GM	A
AGM	I
DGM	B
Manager	E

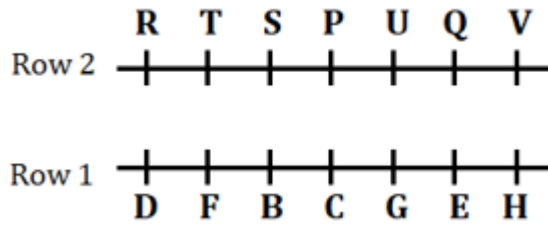
S81. Ans.(a)

Sol.

	R	T	S	P	U	Q	V
Row 2							
Row 1							
	D	F	B	C	G	E	H

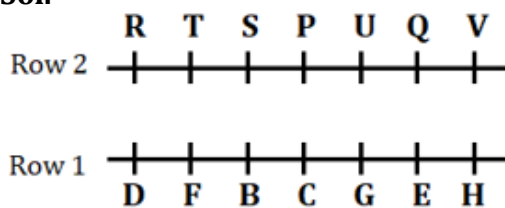
S82. Ans.(b)

Sol.



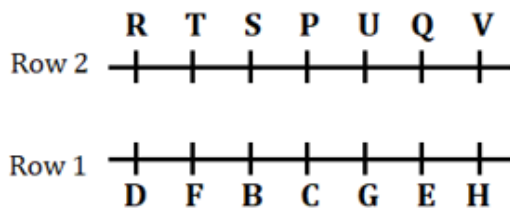
S83. Ans.(c)

Sol.



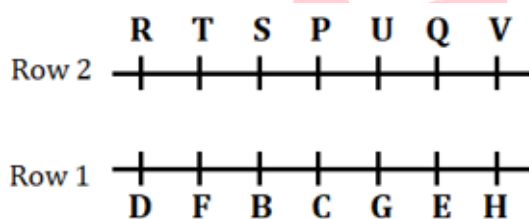
S84. Ans.(e)

Sol.



S85. Ans.(a)

Sol.



S86. Ans.(e)

Sol.

Boxes
F
A
I
E
H
B
D
G
C

S87. Ans.(d)

Sol.

Boxes
F
A
I
E
H
B
D
G
C

S88. Ans.(c)

Sol.

Boxes
F
A
I
E
H
B
D
G
C

S89. Ans.(a)

Sol.

Boxes
F
A
I
E
H
B
D
G
C

S90. Ans.(b)

Sol.

Boxes
F
A
I
E
H
B
D
G
C

S91. Ans.(e)

Sol.

Oxford	Cambridge	Texas
P - Brown	Q - Grey	S - Maroon
U - Green	T - Silver	V - Gold
		R - White

S92. Ans.(c)

Sol.

Oxford	Cambridge	Texas
P - Brown	Q - Grey	S - Maroon
U - Green	T - Silver	V - Gold
		R - White

S93. Ans.(d)

Sol.

Oxford	Cambridge	Texas
P - Brown	Q - Grey	S - Maroon
U - Green	T - Silver	V - Gold
		R - White

S94. Ans.(e)

Sol.

Oxford	Cambridge	Texas
P - Brown	Q - Grey	S - Maroon
U - Green	T - Silver	V - Gold
		R - White

S95. Ans.(b)

Sol.

Oxford	Cambridge	Texas
P - Brown	Q - Grey	S - Maroon
U - Green	T - Silver	V - Gold
		R - White

S96. Ans.(d)

Sol.

Floor	Person	Color
7	E	Purple
6	B	Green
5	C	Pink
4	G	Violet
3	A	White
2	F	Red
1	D	Black

S97. Ans.(e)

Sol.

Floor	Person	Color
7	E	Purple
6	B	Green
5	C	Pink
4	G	Violet
3	A	White
2	F	Red
1	D	Black

S98. Ans.(c)

Sol.

Floor	Person	Color
7	E	Purple
6	B	Green
5	C	Pink
4	G	Violet
3	A	White
2	F	Red
1	D	Black

S99. Ans.(d)

Sol.

Floor	Person	Color
7	E	Purple
6	B	Green
5	C	Pink
4	G	Violet
3	A	White
2	F	Red
1	D	Black

S100. Ans.(b)

Sol.

Floor	Person	Color
7	E	Purple
6	B	Green
5	C	Pink
4	G	Violet
3	A	White
2	F	Red
1	D	Black

