

## SBI PO Pre 2024-25 Memory Based Paper 8-March-2025-3rd shift

**Directions (1-4):** In each of the questions given below, five words are given in bold. These five words may or may not be in their correct position. The sentence is then followed by options with the correct combination of words that should be interchanged with each other to make the sentence grammatically and contextually correct. Find the correct combination of the words that should replace each other.

**Q1.** Given the **chaotic** (A) times we live in, where **challenging** (B) events is **understanding** (C), **manifestation**(D) holds its own **allure**(E).

- (a) (A) – (D)
- (b) (B) – (C)
- (c) (A) – (E) and (C) – (D)
- (d) (A) – (C) and (B) – (E)
- (e) No interchange required

**Q2.** Rogue **privacy** (A) pose a major **threat** (B) by using **compromise** (C) hacks to **sophisticated** (D) consumer data **websites** (E).

- (a) (A) – (E)
- (b) (B) – (C)
- (c) (A) – (E) and (C) – (D)
- (d) (A) – (B) and (C) – (E)
- (e) No interchange required

**Q3.** The verge of **extinction** (A) points **accusingly** (B) to the condition of India's **threatening** (C) grasslands, **shrinking** (D) wildlife survival (E).

- (a) (C) – (D)
- (b) (B) – (C)
- (c) (A) – (E) and (C) – (D)
- (d) (A) – (B) and (C) – (E)
- (e) No interchange required

**Q4.** In India, urban **management** (A) communities and **dietitiAns.(B)** note **alternative** (C) interest in **rising** (D) methods for weight **wellness** (E) and gut health.

- (a) (C) – (D)
- (b) (A) – (B)
- (c) (A) – (B) and (C) – (E)
- (d) (A) – (E) and (C) – (D)
- (e) No interchange required

**Directions (5-9): Rearrange the following sentences in the proper sequence to form a meaningful paragraph; then answer the questions given below them.**

(A) One such site is the Battle of Stalingrad, which exemplifies this cultural significance by embodying profound wartime tragedy and continuing to attract visitors since the war's end in 1945

(B) Dark tourism refers to visiting sites linked to tragedy, death, or historical suffering such as battlefields, memorials, or disaster sites.

(C) Witnessing such sites often evokes sadness, empathy, and reflection on humanity's darker chapters.

(D) Moreover, these sites hold significant cultural value, reminding visitors of past hardships and human resilience.

(E) As a result, the Battle of Stalingrad continues to draw numerous visitors, particularly history enthusiasts and those interested in dark tourism, underscoring its enduring appeal and significance.

**Q5. Which of the following should be the FIFTH (LAST) sentence after rearrangement?**

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

**Q6. Which of the following should be the SECOND sentence after rearrangement?**

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

**Q7. Which of the following should be the THIRD sentence after rearrangement?**

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

**Q8. Which of the following should be the FIRST sentence after rearrangement?**

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

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**Q9. Which of the following should be the FOURTH sentence after rearrangement?**

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

**Q10. Each of the following questions gives a sentence that has been divided into five parts which might not be in their correct order of narrative. The sentence is then followed by five options, one of which gives the sequence of the rearranged parts to make the sentence meaningful. You must choose the option which gives the correct sequence of the parts. If the sentence is already arranged in the correct sequence or the correct sequence doesn't match with any of the given options, mark option "No rearrangement required" as your answer.**

- (A) languages and two domain
  - (B) flexibility and choice
  - (C) the new policy will allow students who
  - (D) subjects enhancing academic
  - (E) sign up for BA courses to select two
- (a) CEADB
  - (b) CADBE
  - (c) AEDBC
  - (d) EACBD
  - (e) No rearrangement required

**Q11. Each of the following questions gives a sentence that has been divided into five parts which might not be in their correct order of narrative. The sentence is then followed by five options, one of which gives the sequence of the rearranged parts to make the sentence meaningful. You must choose the option which gives the correct sequence of the parts. If the sentence is already arranged in the correct sequence or the correct sequence doesn't match with any of the given options, mark option "No rearrangement required" as your answer.**

- (A) vibrant celebrations
  - (B) pigeon-fliers who were rending
  - (C) competitive spirit and
  - (D) the atmosphere with their
  - (E) the air was filled with the shouts of the
- (a) EACBD
  - (b) BDCEA
  - (c) DBCEA
  - (d) CADEB
  - (e) No rearrangement required

**Q12. Each of the following questions gives a sentence that has been divided into five parts which might not be in their correct order of narrative. The sentence is then followed by five options, one of which gives the sequence of the rearranged parts to make the sentence meaningful. You must choose the option which gives the correct sequence of the parts. If the sentence is already arranged in the correct sequence or the correct sequence doesn't match with any of the given options, mark option "No rearrangement required" as your answer.**

- (A) mistook them for enemies
- (B) windmills that dot the fields in
- (C) the villages appeared like
- (D) from a high vantage point, the
- (E) soldiers, causing travelers who
- (a) CAEDB
- (b) DCAEB
- (c) DBCEA
- (d) CDEBA
- (e) No rearrangement required

**Q13. Each of the following questions gives a sentence that has been divided into five parts which might not be in their correct order of narrative. The sentence is then followed by five options, one of which gives the sequence of the rearranged parts to make the sentence meaningful. You must choose the option which gives the correct sequence of the parts. If the sentence is already arranged in the correct sequence or the correct sequence doesn't match with any of the given options, mark option "No rearrangement required" as your answer.**

- (A) global job market
- (B) an expansive educational
- (C) excel in the competitive
- (D) alliance network fosters globally
- (E) aware leaders, ensuring they
- (a) CDEAB
- (b) BDECA
- (c) DCEAB
- (d) ADEBC
- (e) No rearrangement required

**Directions (14- 19): In the following paragraph there are letters like (A), (B), (C), (D), (E), (F) given in the sentence. For each letter, five options are given. Choose the most appropriate word from the options that fits the place denoted by the letter appropriately.**

The cultivation and production of crops have evolved significantly over time, **(A)** by changing agricultural practices, economic demands, and dietary preferences. Historically, crops like barley and millets were widely grown as staple foods. **(B)**, with advancements in irrigation techniques, fertilizers, and improved seed varieties, the production of high-yield crops such as rice and wheat increased steadily. These grains became more **(C)** in the market due to their higher productivity, better market

value, and suitability for large-scale farming. As a result, millet cultivation gradually declined despite its nutritional benefits and **(D)** in arid conditions. Nevertheless, barley and millets continue to be cultivated in several regions, especially in areas where traditional farming practices persist. Moreover, growing awareness about healthy eating has led to **(E)** interest in these grains. Millets, in particular, are recognized for their rich fibre, vitamins, and minerals, making them popular choices for people seeking balanced diets. They **(F)** as porridge, added to salads, or used in various traditional dishes, ensuring they remain valuable components of diverse diets worldwide.

**Q14. Which of the following word best fits in (A)?**

- (a) determined
- (b) associated
- (c) influenced
- (d) understood
- (e) derived

**Q15. Which of the following word best fits in (B)?**

- (a) From
- (b) Nevertheless
- (c) Notwithstanding
- (d) Mostly
- (e) However

**Q16. Which of the following word best fits in (C)?**

- (a) sophisticated
- (b) dominant
- (c) cultivable
- (d) profits
- (e) sustainable

**Q17. Which of the following word best fits in (D)?**

- (a) resilience
- (b) vulnerability
- (c) rigidity
- (d) susceptibility
- (e) instability

**Q18. Which of the following word best fits in (E)?**

- (a) modest
- (b) profound
- (c) special
- (d) renewed
- (e) diminished

**Q19. Which of the following word best fits in (F)?**

- (a) must take
- (b) have to be taken
- (c) can be taken
- (d) are required
- (e) have to be

**Q20. A word has been given in each question and has been used in the sentences given below. Identify the statements where the word has been used in a correct manner. If the word has been used correctly in all the statements, mark "All are correct," as your answer.**

**Post**

- (I) The poster was hooked to the post, drawing attention from the crowd.
  - (II) She struck a graceful post for the photograph, capturing her elegance perfectly.
  - (III) She was proudly selected as a post for one of the best and most prestigious events.
- (a) Only (II)
  - (b) Both (I) & (II)
  - (c) Both (II) & (III)
  - (d) Only (I)
  - (e) All are correct

**Q21. In the question below, four sentences have been given. Out of four sentences, one sentence is error-free. Find out which of the following sentence is error-free. If all the given sentences have errors, then choose option 'None is correct' as the answer choice.**

- (a) Despite of she earning two jobs simultaneously, the monthly expenses exceeds her calculated budget every single time.
- (b) The child, whom upbringing lacked consistency and boundaries, have been showing signs of emotional dysregulations lately.
- (c) Though stringent, the central bank's policies spurred foreign investments, stabilizing the currency amid speculative volatility.
- (d) Had the employees being treated with more autonomy and respect, the company would not has witnessed such high attrition rate.
- (e) None is correct

**Q22. In the question below, four sentences have been given. Out of four sentences, one sentence is error-free. Find out which of the following sentence is error-free. If all the given sentences have errors, then choose option 'None is correct' as the answer choice.**

- (a) The ecosystem is deeply depended in human activities that disrupt its balance.
- (b) Amidst the sunny park, the friends settled under a tree for a cheerful picnic filled with snacks and laughter.
- (c) The warrior called of his sword instead of striking the enemy when he had the chance.
- (d) Never the adventurers had faced such cunning enemies lurking beneath the ruins.
- (e) None is correct

**Q23. In the question below, four sentences have been given. Find out which of the following sentence is grammatically incorrect. If all the given sentences have errors, then choose option 'None is incorrect' as the answer choice.**

- (a) As the sun dipped below the horizon, the golden light lingered on the old barn like a memory reluctant to fade.
- (b) Though he had speaked eloquently at the conference, his argument lacked the evidence needed to persuade the panel.
- (c) She wandered through the library's dimly lit aisles, drawn by the scent of ancient pages and forgotten lore.
- (d) It was a house built on dreams and debt, beautiful from the outside but crumbling within.
- (e) None is incorrect.

**Q24. In the question below, four sentences have been given. Find out which of the following sentence is grammatically incorrect. If all the given sentences have errors, then choose option 'None is incorrect' as the answer choice.**

- (a) The professor, having lecture for nearly three hours, dismissed the class with a weary wave of his hand.
- (b) When she returned to the cottage, it felt as if the walls whispered stories only she could understand.
- (c) He was neither brave nor foolhardy; instead, he exhibited a calm, deliberate kind of courage that few noticed.
- (d) They sat in silence, listening to the clock's ticking echo through the room like a soft warning.
- (e) None is incorrect.

**Directions (25-28): 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.**

**Q25. The batch of mangoes, along with a few bananas, were left on the counter overnight despite instructions to refrigerate them.**

- (a) was left on the counter overnight despite been instructed
- (b) were left on the counter overnight despite being instructed
- (c) was left on the counter overnight despite instructions
- (d) were left on the counter overnight despite of instructions
- (e) No correction required

**Q26. The coach made the players to run five extra laps after they showed up late for the practice.**

- (a) made the players run five extra laps
- (b) makes the players to run five extra laps
- (c) has made the players ran five extra laps
- (d) had make the players to run five extra laps
- (e) No correction required

**Q27.** The energy drink taken regularly by athletes **is known boosting their stamina and helping in** rapid recovery.

- (a) is known to boost their stamina and helping on
- (b) is known to boost their stamina and helped in
- (c) are known to boosting their stamina and help for
- (d) is known to boost their stamina and help in
- (e) No correction required

**Q28.** She wore a **silk beautiful red scarf** that caught everyone's attention as she entered the gallery.

- (a) beautiful red silk scarf
- (b) red beautiful silk scarf
- (c) silk red beautiful scarf
- (d) scarf red beautiful silk
- (e) No correction required

**Directions (29-36):** Read the following passage and answer the given questions.

A recent study conducted by a French researcher in 2023 and 2024 has shed light on the remarkable expansion of the kids' clothing, toy, and merchandise industry. The research highlights that the Compound Annual Growth (CAG) rate in this sector is **swelling** to 20.1%, indicating a significant surge in consumer demand. If this upward trajectory continues, the entire industry is projected to reach a massive \$32 billion valuation by 2030.

One of the key drivers behind this growth is the increasing spending capacity of parents who are willing to invest in high-quality clothing, sustainable toys, and premium merchandise for their children. Modern parents are not only focusing on functionality but also on fashion, comfort, and safety. Many **firms** are capitalizing on this trend by introducing eco-friendly materials, innovative designs, and interactive toys that enhance learning.

Additionally, the rise of e-commerce has provided ample **space** for emerging brands to establish themselves in this lucrative market. With digital platforms making shopping more convenient than ever, both established companies and new startups are \_\_\_\_\_ to cater to the growing demand. The study also revealed that social media plays a crucial role in influencing parents' purchasing decisions, with many brands leveraging influencer marketing and targeted advertisements to reach their audience effectively.

Moreover, sustainability has become a focal point in this industry. Parents are now looking for biodegradable toys, organic clothing, and ethically sourced materials, pushing companies to adopt more responsible production practices. Firms that align with these values are seeing a surge in customer loyalty and brand reputation.

While the research highlights promising growth, it also points out challenges such as fluctuating raw material prices and increasing competition. Companies that focus on innovation, sustainability, and customer engagement are likely to thrive in this rapidly expanding space. As the industry moves toward 2030, businesses that can adapt to evolving consumer preferences will be at the forefront of this booming market.

**Q29. Identify the correct statement(s) based on the passage:**

- (I) The research suggests that companies solely focusing on fashion and comfort will be the most successful in the industry by 2030.
  - (II) The surge in the kids' clothing, toy, and merchandise industry is partly driven by parents' preference for sustainable and premium products.
  - (III) Social media and influencer marketing have significantly shaped consumer behavior in this sector.
- (a) Only (I)
  - (b) Both (I) and (II)
  - (c) Only (III)
  - (d) Both (II) and (III)
  - (e) All (I), (II), and (III)

**Q30. Identify the incorrect statement(s) based on the passage:**

- (I) The research predicts that if the current growth trend continues, the industry valuation will exceed \$50 billion by 2030.
  - (II) The expansion of e-commerce has enabled both new and established brands to cater to the increasing market demand.
  - (III) Sustainability is a growing concern among consumers, which has prompted companies to adopt ethical production practices.
- (a) Only (I)
  - (b) Both (I) and (II)
  - (c) Only (III)
  - (d) Both (II) and (III)
  - (e) All (I), (II), and (III)

**Q31. Find the word similar in meaning to "swell" as used in the passage.**

- (a) Huge
- (b) Multiply
- (c) Expand
- (d) Minimize
- (e) Liberate

**Q32. What is the primary reason for the rapid expansion of the kids' clothing, toy, and merchandise industry as highlighted in the passage?**

- (a) The rise in the global birth rate, leading to higher demand for children's products.
- (b) Increasing disposable income among parents who prioritize quality, sustainability, and premium products.
- (c) Government policies promoting children's welfare and encouraging businesses to manufacture kids' products.
- (d) The decline in adult fashion sales, leading brands to shift focus toward children's products.
- (e) The impact of automation and AI in manufacturing, reducing production costs.

**Q33.** Choose the correct option to fill in the blank:

- (a) Jumping off the trend
- (b) Jumping on the bandwagon
- (c) Stepping aside from competition
- (d) Moving against the tide
- (e) Avoiding the mainstream

**Q34.** Find the word similar in meaning to "space" as used in the passage.

- (a) Distance
- (b) Void
- (c) Area
- (d) Vacancy
- (e) Isolation

**Q35.** Which of the following challenges does the passage highlight as potential obstacles for companies in this industry?

- (a) Lack of innovation and brand awareness among emerging companies.
- (b) High advertising costs and reduced consumer interest in sustainability.
- (c) Fluctuating raw material prices and rising competition in the market.
- (d) Government-imposed restrictions on e-commerce and digital marketing.
- (e) A declining birth rate leading to reduced demand for children's products.

**Q36.** Find the word similar in meaning to "firm" as used in the passage.

- (a) Company
- (b) Weak
- (c) Unstable
- (d) Flexible
- (e) Fragile

**Q37.** 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.

Despite his polished manners, there was a subtle \_\_\_\_\_ in his voice that seemed to \_\_\_\_\_ his true intentions.

- (a) melody, amplify
- (b) undertone, reveal
- (c) undertones, conceal
- (d) resonance, revealed
- (e) cadence, validate

**Q38. 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 young artist's work was both \_\_\_\_\_ and provocative, drawing critics who either praised her \_\_\_\_\_ or dismissed it as erratic.

- (a) dull, hierarchy
- (b) muted, unpredictable
- (c) bold, unpredictability
- (d) dulled, symmetry
- (e) orating, precise

**Q39. 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.**

He approached the ancient manuscript with great \_\_\_\_\_, afraid that even a careless breath might \_\_\_\_\_ its fragile pages.

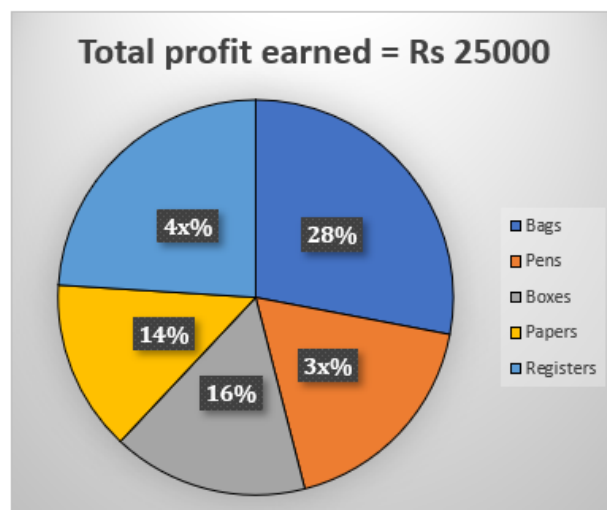
- (a) difference, crumbles
- (b) reverence, damage
- (c) urgency, preserve
- (d) curiosity, illuminate
- (e) impulse, damaging

**Q40. 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.**

Her memoir paints a \_\_\_\_\_ portrait of survival, shaped by loss but told with a voice both \_\_\_\_\_ and unyielding.

- (a) forlorn, distant
- (b) vibrant, resilience
- (c) raw, resilient
- (d) fiction, passive
- (e) bleak, resigned

**Directions (41-45): Read the following pie chart carefully and answer the questions given below. The pie chart shows the percentage distribution of profit earned on selling five different items on Monday by a company.**



**Q41. Find the ratio of the profit earned on selling registers to the profit earned on selling pens on Monday.**

- (a) 3:4
- (b) 4:3
- (c) 1:4
- (d) 5:8
- (e) 8:5

**Q42. The profit earned on boxes selling on Thursday is 60% more than the profit earned on pens selling on Monday. Find the difference between the profit earned on selling papers on Monday and the profit earned on boxes selling on Thursday.**

- (a) Rs 4500
- (b) Rs 3800
- (c) Rs 3150
- (d) Rs 4200
- (e) Rs 3700

**Q43. The profit on each register and each pen is Rs 150 and Rs 50, respectively. Find the ratio of the total number of registers sold to the total number of pens sold on Monday.**

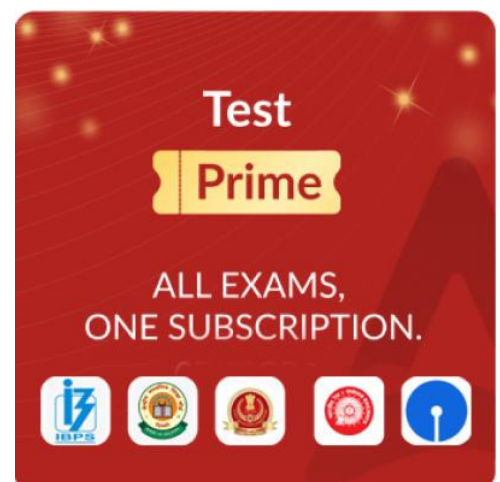
- (a) 1:2
- (b) 4:7
- (c) 3:4
- (d) 4:9
- (e) 8:3

**Q44. The profit earned on registers selling on Tuesday to on Monday is in the ratio of 11:15, respectively. The profit earned on Registers selling on Tuesday is what percentage of the profit earned on Boxes selling on Monday?**

- (a) 150%
- (b) 95%
- (c) 80%
- (d) 125%
- (e) 110%

**Q45. Find the central angle (in degree) of profit earned on pens selling on Monday.**

- (a) 64.8
- (b) 108
- (c) 144
- (d) 62.6
- (e) 56.8



**Directions (46-48):** In each of these questions a number series is given. In each series only one number is wrong. Find out the wrong number.

**Q46.** 20, 24, 51, 115, 240, 456, 799

- (a) 24
- (b) 20
- (c) 51
- (d) 115
- (e) 240

**Q47.** 24, 6, 12, 10, 28, 62, 194

- (a) 62
- (b) 10
- (c) 12
- (d) 24
- (e) 6

**Q48.** 6, 11, 34, 67, 202, 403, 1215

- (a) 34
- (b) 11
- (c) 6
- (d) 1215
- (e) 67

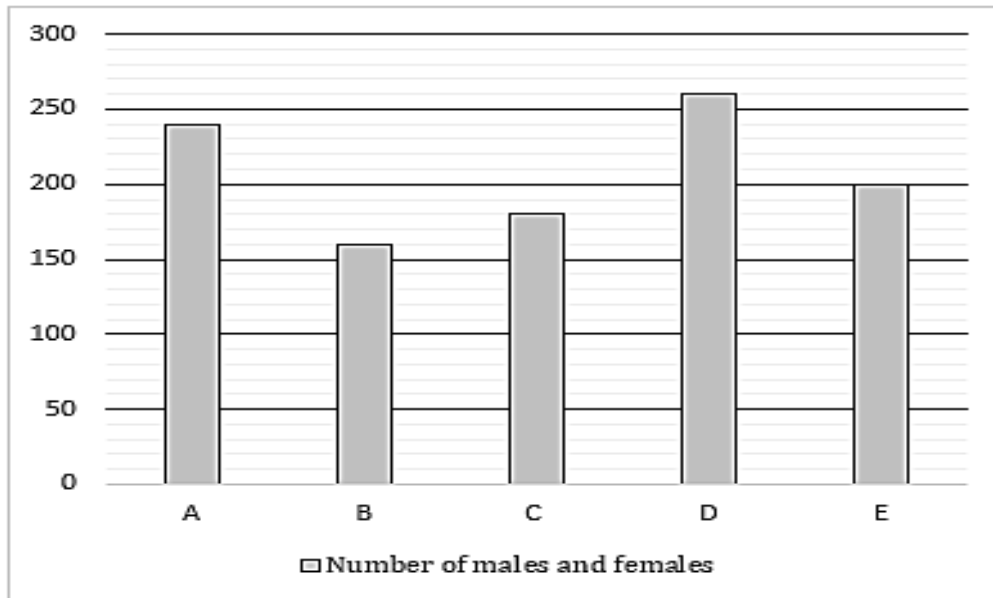
**Q49.** Karan invested Rs 9000 in scheme A at  $(x+2)\%$  p.a. and invested Rs 12000 in scheme B at  $(x-2)\%$  p.a. Both schemes offer simple interest, and after five years, the interest received from both schemes is equal. Find the value of  $x$ .

- (a) 24
- (b) 14
- (c) 12
- (d) 10
- (e) 8

**Q50.** A, B and C can complete a work in 15 days, 12 days and 10 days respectively. If A and C together work for  $x$  days and B remaining work for  $2x$  days, then find the value of  $3x$ .

- (a) 18
- (b) 12
- (c) 6
- (d) 3
- (e) 9

**Directions (51-55):** Read the following Bar graph and table carefully and answer the questions given below. The Bar graph shows the total number of employees (males and females) working in five different companies. The table shows the percentage of females out of total employees in these companies.



| Companies | Percentage of females out of total employees (males and females) |
|-----------|------------------------------------------------------------------|
| A         | 40%                                                              |
| B         | 60%                                                              |
| C         | 20%                                                              |
| D         | 50%                                                              |
| E         | 80%                                                              |

**Q51.** The average number of females in B and C together is what percentage more or less than the total number of males in E?

- (a) 65%
- (b) 40%
- (c) 32.5%
- (d) 87.5%
- (e) 90%

**Q52.** The total number of males in X is five more than the average of the females in E and D. If the total number of employees in X is 25% more than that in A, then find the total number of females in X.

- (a) 120
- (b) 180
- (c) 150
- (d) 100
- (e) 190

**Q53. If each male and each female work 8 hours and 6 hours in a day in C, then find the difference between the number of hours worked by total males and total females in a week in C.**

- (a) 6262
- (b) 6645
- (c) 6652
- (d) 6525
- (e) 6552

**Q54. One-fourth of the total males and  $\frac{5}{8}$  of the total females work in the sales department in A. Find the average number of males and females who work in the HR department in A (Males and females work only two department).**

- (a) 54
- (b) 66
- (c) 72
- (d) 80
- (e) 70

**Q55. Find the ratio of the total number of males in C, B and E to the total number of employees in A and B.**

- (a) 31:51
- (b) 35:47
- (c) 32:47
- (d) 33:49
- (e) 31:50

**Directions (56-60): Read the following information carefully and answer the questions given below.**

The three companies i.e. A, B, and C sold cars and bikes, and the ratio of cars sold by A, B, and C is 4:5:6, respectively. The ratio of bikes sold by A, B, and C is 3:2:5, respectively. The difference between the cars and bikes sold by B is 18 and the ratio of cars sold by B to bikes sold by C is 8:11 respectively.

**Q56. The total cars sold by C is how many more or less than the total bikes sold by A?**

- (a) 12
- (b) 15
- (c) 14
- (d) 13
- (e) 10

**Q57. Find the ratio of the total cars sold by A and the average bikes sold by C and B.**

- (a) 64:77
- (b) 77:64
- (c) 23 : 77
- (d) 32:77
- (e) 77:23

**Q58.** If  $\frac{5}{8}$ th and  $\frac{7}{12}$ th of the cars sold by A and C are diesel and the rest are petrol, then find the difference between the petrol cars sold by A and C.

- (a) 4
- (b) 10
- (c) 8
- (d) 6
- (e) 12

**Q59.** The total bikes sold by C is what percentage more or less than the total cars sold by B?

- (a) 12.5%
- (b) 25%
- (c) 37.5%
- (d) 8.33%
- (e) 32.5%

**Q60.** If the ratio of total bikes sold by A to D is 3:7 and the total cars sold by D is 20% more than that of B, then find the sum of the total bikes and cars sold by D.

- (a) 150
- (b) 105
- (c) 110
- (d) 125
- (e) 80

**Q61.** A vessel contains milk and water, and the quantity of milk is 85% in the vessel. If 20 liters of the mixture are taken out and 30 liters of water are added to the vessel, then the quantity of milk becomes 65%. Find the initial quantity of vessel (in liters).

- (a) 140
- (b) 112.5
- (c) 114
- (d) 117.5
- (e) 105.5

**Q62.** The ratio of the average weight of A and B to A and C is 4:5, respectively. The weight of C is 40 kg, and the weight of A and B is in the ratio of 7:5. Find the average weight of A, B, and C (in kg).

- (a) 40
- (b) 12.5
- (c) 33.33
- (d) 32.5
- (e) 66.67

**Q63.** A boat goes X to Y in downstream and come back Y to X upstream in total 5 hours. If the speed of the current is 4 km/hr, then find the speed of the boat in still water (in km/hr).

- (a) 16
- (b) 25
- (c) 40
- (d) Can't be determine
- (e) None of these

**Q64.** The ratio of the present age of P to Q six years ago was 8:7. The present age of R is twice the present age of Q. If six years hence the ratio of the age of P to R is 11:23, then find the present age of R (in years).

- (a) 28
- (b) 32
- (c) 40
- (d) 35
- (e) 50

**Q65.** The ratio of the volume of a cube to a sphere is 21:88, and the total surface area of the cube is  $294 \text{ cm}^2$ . Find the curved surface area of the sphere (in  $\text{cm}^2$ ).

- (a) 1450
- (b) 1080
- (c) 576
- (d) 484
- (e) 616

**Q66.** He spends 30.1% of his monthly income on groceries, 20.1% of the remaining on rent, and  $\frac{1}{4}$ th of the remaining income on EMI. If he saved Rs 1260, then find the approximate monthly income of A (in Rs).

- (a) 3000
- (b) 3200
- (c) 3050
- (d) 2950
- (e) 2440

**Q67.** The speed of train A is 150% more than that of train B. The speed of train A is 90 km/hr, and it crossed a pole in 16 seconds. The ratio of the length of the trains A to B is 8:5; then find the time taken for train B to cross 150 meters long platform (in seconds).

- (a) 20
- (b) 40
- (c) 60
- (d) 45
- (e) 55

**Q68.** The ratio of cost price to selling price of an article is 4:7, and the ratio of the marked price to selling price of the article is 36:35. If the markup price of the article is Rs 160, then find the profit (in Rs).

- (a) 180
- (b) 120
- (c) 140
- (d) 160
- (e) 150

**Q69.** A man invested Rs (P+500) at 10% p.a. compound interest for two years, and he received interest of Rs 1785. If he invested Rs (P-1000) at the same rate for same period, then find the compound interest received by him (in Rs).

- (a) 1470
- (b) 1520
- (c) 2190
- (d) 1860
- (e) 1660

**Q70.** A and B started a business with investments of Rs 6000 and Rs 8000. After nine months, A withdrew half of his investment, and B added Rs X. If at the end of the year the profit-sharing ratio of A to B is 21:34, then find X.

- (a) 3000
- (b) 2000
- (c) 1000
- (d) 1500
- (e) 2500

**Directions (71-75):** Study the following information carefully and answer the given questions:

Eight persons A, B, C, D, E, F, G, and H sit around a circular shaped table, but not necessarily in the same order. Three persons face inside and rest face outside the centre.

Three persons sit between C and E. A is an immediate neighbour of C. Both the immediate neighbours of E face inside. D is neither an immediate neighbour of E nor C. G sits third to the left of D. G doesn't face inside. Both the immediate neighbours of F face outside. F is not an immediate neighbour of D. H doesn't face in the same

direction as G. Immediate neighbours of G face opposite

direction to each other.

**Q71.** What is the position of B with respect to A?

- (a) Immediate right
- (b) Fifth to the right
- (c) Third to the right
- (d) Fourth to the left
- (e) None of these

**Q72. How many persons sit between G and E when counted from right of G?**

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

**Q73. Four of the following five are alike in a certain way and thus form a group. Find the one which doesn't belong to the group.**

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

**Q74. Who among the following sit between H and B when counted in clockwise direction from B?**

- I. A
- II. F
- III. D
- (a) Both I and II
- (b) Only III
- (c) Both II and III
- (d) Both I and III
- (e) Only I

**Q75. Which of the following statements is/are true?**

- (a) A sits immediate right of D.
- (b) B and H face the same direction.
- (c) D sits second to the left of E.
- (d) H and A sit opposite to each other.
- (e) F sits second to the right of G.

**Q76. In the word 'HOVERING', how many pairs of the letters have the same number of letters between them (both forward and backward direction) as in the English alphabet?**

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

**Directions (77-81): Study the following information carefully and answer the given questions:**

Eleven persons live in three different states: Goa, Bihar and Sikkim. Not more than four and not less than three persons live in the same state.

J lives in Goa. H doesn't live in the same state as J. H and E live in the same state. M doesn't live in the same state as J. G, N and K live in the same state. J and Q live in the same state. R doesn't live in the same state as Q. Even number of persons live with H. Q and L live in the same state. Odd number of persons live with P. R neither live in Bihar nor live with N.

**Q77. Four of the following five are alike in a certain way and thus form a group. Find the one who doesn't belong to the group.**

- (a) M
- (b) G
- (c) Q
- (d) K
- (e) N

**Q78. Who among the following persons lives in Goa?**

- I. J
- II. P and R
- III. L
- (a) Both I and II
- (b) Only III
- (c) Both II and III
- (d) Both I and III
- (e) Only I

**Q79. Which among the following pair of persons belong to the same state?**

- (a) J and N
- (b) H and R
- (c) K and P
- (d) L and G
- (e) None of these

**Q80. If N is related to G, and in the same way Q is related to P, then who among the following is related to E?**

- (a) J
- (b) L
- (c) G
- (d) M
- (e) R

**Q81. The number of persons lives with E is \_\_\_\_ the number of persons lives with \_\_\_\_.**

- (a) Two less than, G
- (b) Same as, P
- (c) One less than, N
- (d) One more than, H
- (e) One more than, Q

**Directions (82-86): Read the given information carefully and answer the related questions:**

Seven boxes A, B, C, D, E, F, G – are placed one above another. Each box has either fruit or vegetable in it.

The box which has orange is placed just above box C. Four boxes are in between box C and box G. One box is placed between box G and the box which has tomato. The box which has potato is placed three boxes below box D. Number of boxes placed above box D is same as the number of boxes placed below the box which has mango. Box F is placed two boxes above the box which has cherry. Box F is not the topmost box. One box is placed between box A and box E which has apple. One of the boxes has carrot.

**Q82. Box B has which of the following Fruit/Vegetable?**

- (a) Potato
- (b) Carrot
- (c) Cherry
- (d) Orange
- (e) Tomato

**Q83. How many boxes are placed between box G and the box which has carrot?**

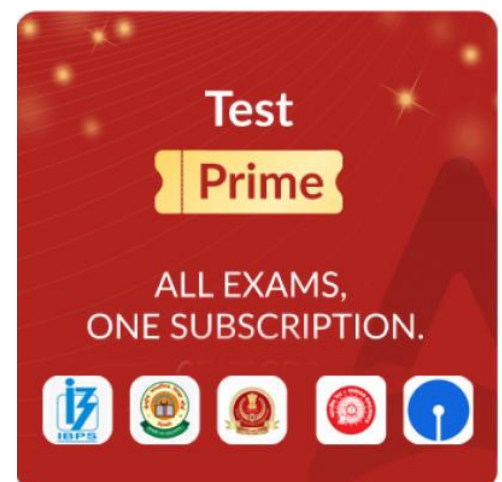
- (a) One
- (b) Two
- (c) Three
- (d) Four
- (e) Five

**Q84. Which of the following box has cherry?**

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

**Q85. Choose the *incorrect* combination.**

- (a) D - Orange
- (b) F - Tomato
- (c) C - Carrot
- (d) G - Mango
- (e) B - Cherry



**Q86. Which of the following statement is correct?**

- (a) Box D has mango
- (b) One box is placed between box F and box E
- (c) Box B is bottommost box
- (d) The box which has apple is placed above box C
- (e) Two boxes are placed above box A

**Q87. Find the odd-one out.**

- (a) GBE
- (b) MHK
- (c) YUX
- (d) PKN
- (e) OJM

**Directions (88-92): Read the given information carefully and answer the related questions:**

Seven persons – P, Q, R, S, T, U and V – live on seven different floors (but not necessarily in the same order) of a seven-floor building where the floors are numbered as 1 to 7 (from bottom to top respectively). Each of them has a different item – Glue, Paper, Iron, Scissors, Pens, Pencil, and Colour. T lives on floor number 5. R lives on an even-number floor below floor 5. Two persons live between R and the one who has Glue. The one who has glue lives immediately above the one who has Scissors. The number of persons live above the one who has scissors is one more than the number of persons lives below the one who has Pens. One person was born between the one who has Pens and U. P lives on a prime number floor below T. Two persons live between P and the person who has Iron. The one who has Iron lives below V. As many persons live above V as after the one who has Colours. S lives above the one who has Paper and below the one who has pencil. S lives above Q.

**Q88. Who among the persons live on a prime numbered floor?**

- I. The one who has Pens.
  - II. V
  - III. The one who has colours.
- (a) Both I and II
  - (b) Only II
  - (c) Only III
  - (d) Both II and III
  - (e) All I, II and III

**Q89. How many persons live between P and the one who has Pencil?**

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

**Q90. Which of the following item is with the person living on Floor 4?**

- (a) Iron
- (b) Scissors
- (c) Paper
- (d) Glue
- (e) Colour

**Q91. If S is related to Glue and in the same way P is related to Paper then R is related to which item?**

- (a) Glue
- (b) Pens
- (c) Paper
- (d) Colours
- (e) Iron

**Q92. Which among the following statement is/are false?**

- (a) P has Pens.
- (b) V lives above Q
- (c) R lives immediately below T.
- (d) Three persons live between S and the person who has Paper.
- (e) U lives below P

**Directions (93-97): Read the given information carefully and answer the questions below:**

Six Persons–E, H, J, K, M and N– were born on two different dates – either 9 or 26 of three different months – March, April and May. No two persons were born on the same date. Each of them likes a different fruit – Cherry, Grape, Orange, Mango, Apple and Pear. All the information is not necessarily in the same order.

J was born on an odd numbered date in the month having odd number of days. Three persons were born between J and the one who likes Grape. E was born on an odd number date but doesn't like Grape. The one who likes Cherry was born three persons after E. The number of persons born after the one who likes Cherry is one less than the number of persons born before M. M was born immediately before the one who likes Orange. One person was born between the one who likes Orange and N. H likes Mango. The one who likes Pear was born after the one who likes Apple. The one who likes Apple was not born on an even number date.

**Q93. N was born on which date and month?**

- (a) 26 April
- (b) 9 May
- (c) 9 April
- (d) 26 March
- (e) 9 March

**Q94. How many persons were born before K?**

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

**Q95. The number of persons born after the one who likes Apple is same as the number of persons born between K and \_\_\_\_.**

- (a) M
- (b) J
- (c) N
- (d) E
- (e) H

**Q96. Which among the following combination is incorrect?**

- (a) M- Pear
- (b) E- Orange
- (c) N- Cherry
- (d) J- Apple
- (e) All are correct

**Q97. Which of the following statement is correct?**

- I. J was born after H.
  - II. M and E were born in the same month
  - III. M likes Pear
- (a) Only I
  - (b) Only I and II
  - (c) Only II
  - (d) Only I and III
  - (e) Only III

**Directions (98-100): Study the following information carefully and answer the questions given below.**

N is the sibling of H. D is the father of H and grandfather of L. M is the only sibling of L. F is the daughter-in-law of P. L is the husband of K. F has only one son and one daughter. F is the sister-in-law of N. D has only one son.

**Q98. How is M related to N?**

- (a) Mother
- (b) Granddaughter
- (c) Daughter
- (d) Niece
- (e) Aunt

**Q99. How many female members are in the family?**

- (a) Three
- (b) Five
- (c) Four
- (d) Two
- (e) None of these

**Q100. Which among the following pair are married couples?**

- I. N and D
- II. D and P
- III. M and H
- (a) Only II
- (b) Both I and II
- (c) Both II and III
- (d) Only I
- (e) Only III

## Solutions

**S1. Ans.(b)**

**Sol.** Correct swap: B-C

- Explanation:
  - 'Understanding' should replace 'challenging' since 'understanding events' is contextually correct. 'Challenging' fits better in place of 'understanding' since challenging times is a common phrase.
  - Corrected Sentence: Given the chaotic (A) times we live in, where understanding (C) events is challenging (B), manifestation (D) holds its own allure (E).

**Word Meanings:**

- Chaotic (अराजक): Disorderly and confused
- Understanding (समझ): Comprehension or awareness
- Challenging (चुनौतीपूर्ण): Difficult or demanding
- Manifestation (अभिव्यक्ति): Display or demonstration
- Allure (आकर्षण): Attraction or charm

**S2. Ans.(c)**

**Sol.** Correct swap: A-E and C-D

**Explanation:**

- 'Websites' should replace 'privacy' since rogue websites are a threat. 'Compromise' and 'sophisticated' also need to be swapped for the sentence to make sense.
- Corrected Sentence: Rogue websites (E) pose a major threat (B) by using sophisticated (D) hacks to compromise (C) consumer data privacy (A).

**Word Meanings:**

- Websites (वेबसाइट): Online pages or platforms
- Threat (धमकी): A possible danger
- Sophisticated (परिष्कृत): Highly developed or advanced
- Compromise (समझौता): To reduce security or standards
- Privacy (गोपनीयता): Personal information security

**S3. Ans.(a)**

**Sol.** Correct swap: C-D

Explanation:

- 'Threatening' should be swapped with 'shrinking' since 'shrinking grasslands' is the correct phrase, and 'threatening' relates better to 'wildlife survival.'
- Corrected Sentence: The verge of extinction (A) points accusingly (B) to the condition of India's shrinking (D) grasslands, threatening (C) wildlife survival (E).

**Word Meanings:**

- Extinction (विलुप्ति): The state of disappearing
- Accusingly (आरोप लगाते हुए): In a blaming manner
- Shrinking (सिकुड़ना): Becoming smaller
- Threatening (धमकी देना): Posing danger
- Survival (बचाव): The act of continuing to live

**S4. Ans.(d)**

**Sol.** Correct swap: A-E and C-D

Explanation:

- 'Management' should be swapped with 'wellness' since 'wellness communities' makes sense. Similarly, 'alternative methods' and 'rising interest' fit the context better.
- Corrected Sentence: In India, urban wellness (E) communities and dietitians (B) note rising (D) interest in alternative (C) methods for weight management (A) and gut health.

**Word Meanings:**

- Wellness (कल्याण): State of good health
- Dietitians (आहार विशेषज्ञ): Nutrition experts
- Rising (बढ़ता हुआ): Increasing or escalating
- Alternative (वैकल्पिक): Different from the norm
- Management (प्रबंधन): The process of control and organization

**S5. Ans.(d)**

**Sol.** Correct Sequence: B - C - D - A - E

**Analysis:** Sentence E serves as the concluding remark, reinforcing the ongoing relevance and popularity of these sites in modern times. It ties back to the introductory concept of dark tourism, giving the paragraph a well-rounded closure.

1. **B** introduces the concept of dark tourism, which sets the foundation for the paragraph. Introducing this definition first ensures clarity before exploring specific sites like Stalingrad.
2. **C** follows logically by describing the emotional impact of visiting such places, expanding the understanding of dark tourism.
3. **D** builds on this by emphasizing the cultural value these sites provide, linking the emotional aspect to their broader significance.
4. **A** introduces the Battle of Stalingrad as a prime example of dark tourism, giving historical context.
5. **E** concludes by mentioning the continued interest in these sites, reinforcing their lasting significance.

**S6. Ans.(b)**

**Sol. Correct Sequence:** B - C - D - A - E

**Analysis:** Sentence **C** logically follows the introductory statement (B) by adding depth to the emotional impact of dark tourism, strengthening the narrative. It directly addresses how these tragic sites evoke powerful feelings, which is an essential aspect of dark tourism.

6. **B** introduces the concept of dark tourism, which sets the foundation for the paragraph. Introducing this definition first ensures clarity before exploring specific sites like Stalingrad.
7. **C** follows logically by describing the emotional impact of visiting such places, expanding the understanding of dark tourism.
8. **D** builds on this by emphasizing the cultural value these sites provide, linking the emotional aspect to their broader significance.
9. **A** introduces the Battle of Stalingrad as a prime example of dark tourism, giving historical context.
10. **E** concludes by mentioning the continued interest in these sites, reinforcing their lasting significance.

**S7. Ans.(c)**

**Sol. Correct Sequence:** B - C - D - A - E

**Analysis:** Sentence **D** naturally follows **C** by emphasizing the cultural significance of these sites. It connects the emotional impact to a broader purpose — preserving history and human resilience.

11. **B** introduces the concept of dark tourism, which sets the foundation for the paragraph. Introducing this definition first ensures clarity before exploring specific sites like Stalingrad.
12. **C** follows logically by describing the emotional impact of visiting such places, expanding the understanding of dark tourism.
13. **D** builds on this by emphasizing the cultural value these sites provide, linking the emotional aspect to their broader significance.
14. **A** introduces the Battle of Stalingrad as a prime example of dark tourism, giving historical context.
15. **E** concludes by mentioning the continued interest in these sites, reinforcing their lasting significance.

**S8. Ans.(e)**

**Sol. Correct Sequence:** B - C - D - A - E

**Analysis:**

16. **B** introduces the concept of dark tourism, which sets the foundation for the paragraph. Introducing this definition first ensures clarity before exploring specific sites like Stalingrad.
17. **C** follows logically by describing the emotional impact of visiting such places, expanding the understanding of dark tourism.
18. **D** builds on this by emphasizing the cultural value these sites provide, linking the emotional aspect to their broader significance.

19. **A** introduces the Battle of Stalingrad as a prime example of dark tourism, giving historical context.  
20. **E** concludes by mentioning the continued interest in these sites, reinforcing their lasting significance.

**S9. Ans.(a)**

**Sol. Correct Sequence:** B - C - D - A - E

**Analysis:** Sentence **A** introduces the Battle of Stalingrad as a concrete example of dark tourism, logically following the broader context established earlier. Providing a real-world instance strengthens the narrative and emphasizes how such sites play a role in the concept of dark tourism.

1. **B** introduces the concept of dark tourism, which sets the foundation for the paragraph. Introducing this definition first ensures clarity before exploring specific sites like Stalingrad.
2. **C** follows logically by describing the emotional impact of visiting such places, expanding the understanding of dark tourism.
3. **D** builds on this by emphasizing the cultural value these sites provide, linking the emotional aspect to their broader significance.
4. **A** introduces the Battle of Stalingrad as a prime example of dark tourism, giving historical context.
5. **E** concludes by mentioning the continued interest in these sites, reinforcing their lasting significance.

**S10. Ans.(a)**

**Sol.** The correct sequence is **C - E - A - D - B**, and here's the breakdown:

1. **(C)** "The new policy will allow students who" - This is the logical start as it introduces the policy and the subject (students).
2. **(E)** "sign up for BA courses to select two" - Follows naturally by specifying what the students are allowed to do.
3. **(A)** "languages and two domain" - Specifies the options available to the students, aligning with the previous part about selection.
4. **(D)** "subjects enhancing academic" - Adds detail to what the domain subjects achieve (enhancing academics).
5. **(B)** "flexibility and choice" - Concludes by highlighting the benefits of the policy.

The final sentence:

*"The new policy will allow students who sign up for BA courses to select two languages and two domain subjects, enhancing academic flexibility and choice."*

This sequence maintains logical flow and clarity in presenting the policy, the choices, and the benefits.

**S11. Ans.(d)**

**Sol.** The correct sequence is **EBDCA**, and here's the breakdown:

1. **(E)** "The air was filled with the shouts of the" - This is the logical opening as it sets the scene.
2. **(B)** "pigeon-fliers who were rending" - Connects smoothly, explaining whose shouts filled the air.
3. **(D)** "the atmosphere with their" - Continues the idea, explaining the impact of the shouts.
4. **(C)** "competitive spirit and" - Adds detail about the nature of the shouts and the atmosphere.
5. **(A)** "vibrant celebrations" - Concludes with the overall mood of the scene.

The final sentence:

*"The air was filled with the shouts of the pigeon-fliers who were rending the atmosphere with their competitive spirit and vibrant celebrations."*

This sequence ensures a natural and logical flow, vividly describing the atmosphere and the energy of the scene.

**S12. Ans.(c)**

**Sol.** The correct sequence is **DBCEA**, and here's the breakdown:

1. **(D)** "From a high vantage point, the" - This is the logical opening as it sets the perspective.
2. **(B)** "windmills that dot the fields in" - Connects naturally by introducing what is seen from the vantage point.
3. **(C)** "the villages appeared like" - Follows by describing the appearance of the windmills.
4. **(E)** "soldiers, causing travelers who" - Adds a cause-effect relationship, explaining the confusion.
5. **(A)** "mistook them for enemies" - Concludes with the outcome of this confusion.

The final sentence:

*"From a high vantage point, the windmills that dot the fields in the villages appeared like soldiers, causing travelers who mistook them for enemies."*

This sequence maintains a logical flow from observation to perception and reaction, creating a clear and vivid image.

**S13. Ans.(b)**

**Sol.** The correct sequence is **BDECA**, and here's the breakdown:

1. **(B)** "An expansive educational" - This is the logical start, introducing the subject of the sentence.
2. **(D)** "alliance network fosters globally" - Adds to the educational aspect, describing what the network fosters.
3. **(E)** "aware leaders, ensuring they" - Follows naturally by specifying the kind of leaders and the outcome.
4. **(C)** "excel in the competitive" - Explains where these leaders excel.
5. **(A)** "global job market" - Concludes by specifying the context in which excellence is achieved.

The final sentence:

*"An expansive educational alliance network fosters globally aware leaders, ensuring they excel in the competitive global job market."*

This sequence ensures a logical and smooth progression from the educational network to the impact on leaders and their success in the job market.

**S14. Ans.(c)**

**Sol.** Given sentence:

"The cultivation and production of crops have evolved significantly over time, \_\_\_\_\_(A) by changing agricultural practices, economic demands, and dietary preferences."

Options and Analysis:

1. **Determined** (निर्धारित - defined or decided) ✗ (Incorrect)
  - This implies a decision rather than an evolving process influenced by external factors.
2. **Associated** (संबंधित - linked or connected) ✗ (Incorrect)
  - While "associated" may seem logical, it lacks the cause-effect meaning the sentence implies.
3. **Influenced** (प्रभावित - affected by) ✓ (Correct choice)
  - "Influenced" accurately conveys that these changes occurred as a result of external factors like agricultural practices.
4. **Understood** (समझा गया - comprehended) ✗ (Incorrect)
  - This word doesn't align with the context of environmental and agricultural changes.
5. **Derived** (व्युत्पन्न - obtained from) ✗ (Incorrect)
  - This refers to origin rather than influence.

✓ Correct Answer: (c) Influenced

**S15. Ans.(e)**

**Sol.** Given sentence:

"\_\_\_\_\_ (B), with advancements in irrigation techniques, fertilizers, and improved seed varieties, the production of high-yield crops such as rice and wheat increased steadily."

Options and Analysis:

- (a) From – Grammatically incorrect and does not establish a logical connection.
- (b) Nevertheless – Implies persistence despite difficulty, which does not fit the context.
- (c) Notwithstanding – Means "despite," but the sentence is not about overcoming an obstacle.
- (d) Mostly – Implies a degree of something but does not create the contrast needed.

Thus, "However" is the best fit as it properly introduces the shift from traditional to modern agricultural practices. ✓

**S16. Ans.(b)**

**Sol.** Given sentence:

"These grains became more \_\_\_\_\_ (C) in the market due to their higher productivity, better market value, and suitability for large-scale farming."

Options and Analysis:

1. **Sophisticated** (परिष्कृत - advanced or complex) ✗ (Incorrect)
  - This term refers to complexity, not dominance.
2. **Dominant** (प्रधान - most powerful or influential) ✓ (Correct choice)
  - "Dominant" fits perfectly, emphasizing the prominence of rice and wheat in agricultural practices.
3. **Cultivable** (खेती योग्य - suitable for farming) ✗ (Incorrect)
  - This word is too specific and doesn't convey dominance.
4. **Profits** (लाभदायक - economically beneficial) ✗ (Incorrect)
  - While profitability is mentioned, dominance better fits the broader theme.
5. **Sustainable** (टिकाऊ - environmentally balanced) ✗ (Incorrect)
  - Sustainability is not the primary focus here.

✓ Correct Answer: (b) Dominant

**S17. Ans.(a)**

**Sol.** Given sentence:

"As a result, millet cultivation gradually declined despite its nutritional benefits and \_\_\_\_\_ (D) in arid conditions."

Options and Analysis:

1. **Resilience** (लचीलापन - ability to withstand or recover) ✓ (Correct choice)
  - "Resilience" accurately conveys how millet can endure tough conditions.
2. **Vulnerability** (कमजोरी - being easily affected) ✗ (Incorrect)
  - The sentence highlights millet's strength, not weakness.
3. **Rigidity** (कठोरता - lack of flexibility) ✗ (Incorrect)
  - This term contradicts the intended meaning.
4. **Susceptibility** (संवेदनशीलता - easily harmed) ✗ (Incorrect)
  - This emphasizes weakness rather than resilience.
5. **Instability** (अस्थिरता - lack of stability) ✗ (Incorrect)
  - This term doesn't suit the context of millet's durability.

✓ Correct Answer: (a) Resilience

**S18. Ans.(d)**

**Sol.** Given sentence:

"Moreover, growing awareness about healthy eating has led to \_\_\_\_\_ (E) interest in these grains."

Options and Analysis:

1. **Modest** (न्यूनतम - limited or small) ✗ (Incorrect)
2. **Profound** (गहरा - deeply significant) ✗ (Incorrect)
3. **Special** (विशेष - unique) ✗ (Incorrect)
4. **Renewed** (पुनर्जीवित - revived) ✓ (Correct choice)
  - "Renewed" reflects the resurgence of interest in millet consumption.
5. **Diminished** (घटता हुआ - reduced) ✗ (Incorrect)

✓ Correct Answer: (d) Renewed

**S19. Ans.(c)**

**Sol.** Given sentence:

"They \_\_\_\_\_ (F) as porridge, added to salads, or used in various traditional dishes."

Options and Analysis:

- (a) must take – Too strong; implies compulsion, which does not fit the context.
- (b) have to be taken – Implies obligation, which is not intended in this sentence.
- (d) are required – Suggests necessity, which does not match the meaning here.
- (e) have to be – Incomplete and awkward in this context.

Thus, "can be taken" is the most appropriate choice.

**S20. Ans.(d)**

**Sol. Correct Answer: (d) Only (I)**

**Meaning:**

- **Post (noun):** A vertical pole or position in an organization.
- **Post (verb):** To display or announce something publicly.

**Explanation:**

- **(I) Correct:** "Post" is correctly used to describe a vertical pole or structure where the poster was attached.
- **(II) Incorrect:** "Post" is incorrectly used; the correct word should be "pose," which refers to a position or stance for a photograph.

**Corrected Sentence for (II):** She struck a graceful pose for the photograph, capturing her elegance perfectly.

- **(III) Incorrect:** "Post" is incorrectly used; the correct word should be "host" or "representative," as "post" does not refer to a person in such contexts.

**Corrected Sentence for (III):** She was proudly selected as a host for one of the best and most prestigious events.

**Why Incorrect:**

- "Post" refers to a position or structure but not to a person's role in hosting or posing for a photograph.

### S21. Ans.(c)

Sol.

- Sentence (a): ✗ Incorrect preposition + subject-verb agreement error.  
**Error 1:** "Despite of" is incorrect. "Despite" is used without "of".  
**Correct usage:** "Despite she earning..." should be "Despite her earning..."  
**Error 2:** "expenses exceeds" → plural subject "expenses" requires plural verb "exceed".  
**Corrected:** "Despite her earning from two jobs simultaneously, the monthly expenses exceed her calculated budget every single time."
- Sentence (b): ✗ Relative pronoun usage + subject-verb agreement error.  
**Error 1:** "whom upbringing" → incorrect. "Whose upbringing" is the correct possessive form.  
**Error 2:** "have been showing" → singular subject "child" needs "has been showing".  
**Corrected:** "The child, whose upbringing lacked consistency and boundaries, has been showing signs of emotional dysregulation lately."
- Sentence (c): ✓ Correct sentence.  
This sentence is grammatically correct with appropriate structure, punctuation, and parallelism:  
"Though stringent, the central bank's policies spurred foreign investments, stabilizing the currency amid speculative volatility."
- Sentence (d): ✗ Wrong auxiliary verb + incorrect verb form.  
**Error 1:** "Had the employees being treated..." → incorrect form; should be "Had the employees been treated..."  
**Error 2:** "would not has witnessed" → incorrect; should be "would not have witnessed".  
**Corrected:** "Had the employees been treated with more autonomy and respect, the company would not have witnessed such a high attrition rate."

### S22. Ans.(b)

Sol.

- Sentence (a): ✗ Incorrect verb form + preposition.  
**Error:** "is deeply depended in" → incorrect. The correct phrase is "is deeply dependent on".  
**Corrected:** "The ecosystem is deeply dependent on human activities that disrupt its balance."
- Sentence (b): ✓ Correct sentence.  
Amidst the sunny park, the friends settled under a tree for a cheerful picnic filled with snacks and laughter.  
This sentence is grammatically correct, uses proper prepositions, and has no phrasal verb or inversion issues.
- Sentence (c): ✗ Incorrect phrasal verb usage.  
• "called of" is incorrect.  
But in this context, "called off" doesn't make sense either — you **don't cancel a sword**.  
**Error:** "called off his sword" → "call off" means cancel; not applicable to drawing a sword.  
**Corrected:** "The warrior sheathed his sword instead of striking the enemy when he had the chance."
- Sentence (d): ✗ Incorrect inversion structure.  
**Error:** "Never the adventurers had faced..." → should be inverted: "Never had the adventurers faced..."  
**Corrected:** "Never had the adventurers faced such cunning enemies lurking beneath the ruins."

### S23. Ans.(b)

Sol.

- **(a) Correct:** "As the sun dipped below the horizon, the golden light lingered on the old barn like a memory reluctant to fade." – The sentence is grammatically correct with proper verb tense and structure.
- **(b) Incorrect:** "Though he had speaked eloquently at the conference, his argument lacked the evidence needed to persuade the panel." – The verb "**speaked**" is incorrect. The correct past participle of "**speak**" is "**spoken**." The correct sentence should be:  
*"Though he had spoken eloquently at the conference, his argument lacked the evidence needed to persuade the panel."*
- **(c) Correct:** "She wandered through the library's dimly lit aisles, drawn by the scent of ancient pages and forgotten lore." – No grammatical errors.
- **(d) Correct:** "It was a house built on dreams and debt, beautiful from the outside but crumbling within." – This sentence is grammatically sound.
- **(e) Incorrect:** Since option (b) contains an error, "None is incorrect" cannot be the correct answer.

### S24. Ans.(a)

Sol.

- **(a) Incorrect:** "The professor, having lecture for nearly three hours, dismissed the class with a weary wave of his hand." – The word "**lecture**" should be "**lectured**." The correct form is "**having lectured**." The correct sentence should be:  
*"The professor, having lectured for nearly three hours, dismissed the class with a weary wave of his hand."*
- **(b) Correct:** "When she returned to the cottage, it felt as if the walls whispered stories only she could understand." – No grammatical errors.
- **(c) Correct:** "He was neither brave nor foolhardy; instead, he exhibited a calm, deliberate kind of courage that few noticed." – No grammatical errors.
- **(d) Correct:** "They sat in silence, listening to the clock's ticking echo through the room like a soft warning." – This sentence is grammatically correct.
- **(e) Incorrect:** Since option (a) contains an error, "None is incorrect" cannot be the correct answer.

### S25. Ans.(c)

Sol.

- **Error type:** Subject-verb agreement.
- "The batch of mangoes, along with a few bananas" – the **subject** is "**batch**", which is **singular**.
- So, "**were left**" is incorrect; it should be "**was left**".
- Option (a) says "despite being instructed," which changes the original meaning by shifting the subject of the instruction.
- Option (c) retains the original structure but corrects the verb agreement.
- **Correct sentence:** The batch of mangoes, along with a few bananas, was left on the counter overnight despite instructions to refrigerate them.

S26. Ans.(a)

Sol.

- **Error type:** Causative verb ("make").
- After causative verbs like "**make**," "**let**," "**have**," we use the **bare infinitive** (verb without "to").
- So, "**made the players to run**" is incorrect; it should be "**made the players run**."
- Option (a) is the correct replacement.
- **Correct sentence:** The coach made the players run five extra laps after they showed up late for the practice.

S27. Ans.(d)

Sol. **Error type:** Verb form after passive construction.

- "**is known**" should be followed by an **infinitive**, not the **-ing** form.
- So, "**is known boosting**" is incorrect; it should be "**is known to boost**."
- Also, "**helping in**" → correct form is "**help in**" or "**help with**," but "**help in**" works fine here.
- Option (d) corrects both verb forms.
- **Correct sentence:** The energy drink taken regularly by athletes is known to boost their stamina and help in rapid recovery.

S28. Ans.(a)

Sol.

- **Error type:** Order of adjectives.
- Correct order: **opinion** → **size** → **age** → **shape** → **color** → **origin** → **material** → **purpose** → **noun**
- So: "**beautiful**" (**opinion**) → "**red**" (**color**) → "**silk**" (**material**)
- Hence, "**a silk beautiful red scarf**" is incorrect in adjective order.
- Option (a) gives the correct order: "**a beautiful red silk scarf**."
- **Correct sentence:** She wore a beautiful red silk scarf that caught everyone's attention as she entered the gallery.

S29. Ans.(d)

Sol.

- **Statement (I) is incorrect.** The passage mentions that companies focusing on "innovation, sustainability, and customer engagement" are likely to thrive, not just fashion and comfort. ("Companies that focus on innovation, sustainability, and customer engagement are likely to thrive in this rapidly expanding space.")
- **Statement (II) is correct.** The passage states that parents are prioritizing high-quality, sustainable, and premium products, which drives industry growth. ("One of the key drivers behind this growth is the increasing spending capacity of parents who are willing to invest in high-quality clothing, sustainable toys, and premium merchandise for their children.")
- **Statement (III) is correct.** The passage explicitly states that social media and influencer marketing play a significant role in influencing parents' purchasing decisions. ("The study also revealed that social media plays a crucial role in influencing parents' purchasing decisions, with many brands leveraging influencer marketing and targeted advertisements to reach their audience effectively.")

S30. Ans.(a)

Sol.

- **Statement (I) is incorrect.** The passage clearly states that the industry's projected valuation by 2030 is \$32 billion, not \$50 billion. ("If this upward trajectory continues, the entire industry is projected to reach a massive \$32 billion valuation by 2030.")
- **Statement (II) is correct.** The passage mentions that e-commerce has allowed new and established brands to enter and thrive in the market. ("Additionally, the rise of e-commerce has provided ample space for emerging brands to establish themselves in this lucrative market.")
- **Statement (III) is correct.** The passage explicitly states that sustainability concerns have pushed companies to adopt ethical production practices. ("Parents are now looking for biodegradable toys, organic clothing, and ethically sourced materials, pushing companies to adopt more responsible production practices.")

S31. Ans.(c)

**Sol. Swell** in the passage means **to increase in size, volume, or number**, which is closest in meaning to **expand**.

**Huge** refers to something very large but does not imply growth.

**Multiply** means to increase in number but does not convey the same sense as "swell" in this context.

**Minimize** is the opposite of swell.

**Liberate** means to free, which is unrelated to the meaning of swell in this passage.

In the passage, "**the Compound Annual Growth (CAG) rate in this sector is swelling to 20.1%**" refers to a **significant increase in growth rate**.

S32. Ans.(b)

**Sol.** The passage explicitly states that one of the key drivers of industry growth is parents' increasing spending capacity and willingness to invest in high-quality, sustainable, and premium products. ("One of the key drivers behind this growth is the increasing spending capacity of parents who are willing to invest in high-quality clothing, sustainable toys, and premium merchandise for their children.")

S33. Ans.(b)

**Sol. "Jumping on the bandwagon"** means **joining a trend or movement that is gaining popularity**. The passage states that many brands are entering the market due to rising demand, making this the most suitable choice.

**"Jumping off the trend"** is incorrect as it implies leaving a trend rather than following it.

**"Stepping aside from competition"** and **"moving against the tide"** suggest avoiding or resisting trends, which contradicts the context.

**"Avoiding the mainstream"** implies staying away from popular trends, which is the opposite of the intended meaning.

Thus, the correct phrase is **"Jumping on the bandwagon"**, indicating brands are **following the growing trend** in the industry.

**S34. Ans.(c)**

**Sol. Space** in the passage refers to a **physical or digital area available for use**, which is closest in meaning to **area**.

**Distance** refers to the length between two points, **void** means emptiness, **vacancy** implies an unoccupied position, and **isolation** means being alone, none of which fit the context.

In the passage, "The rise of e-commerce has provided ample space for emerging brands" refers to **providing an opportunity or area for businesses to grow**.

**S35. Ans.(c)**

**Sol.** The passage specifically mentions two major challenges: fluctuating raw material prices and increasing competition. ("While the research highlights promising growth, it also points out challenges such as fluctuating raw material prices and increasing competition.")

**S36. Ans.(a)**

**Sol. Firm** in the passage refers to a **business or company**, making **company** the correct synonym.

**Weak, unstable, flexible, and fragile** all describe physical or structural qualities, which do not fit the meaning of "firm" in this context.

In the passage, "**Many firms are capitalizing on this trend**" means **many companies are taking advantage of the growing market**.

**S37. Ans.(b)**

**Sol. Sentence:** Despite his polished manners, there was a subtle **undertone** in his voice that seemed to **reveal** his true intentions.

**Correct Answer Explanation:**

- **Undertone** means a quiet or hidden feeling or meaning; fits with "subtle".
- **Reveal** means to make known what was hidden; matches "true intentions".

**Incorrect Options:**

**Melody, amplify** – Melody is a musical tune, amplify means to make louder (illogical here).

**Undertones, conceal** – Undertones (plural) is incorrect, and conceal contradicts "seemed to reveal".

**Resonance, revealed** – Resonance means deep, echoing sound (less appropriate for subtle meaning); revealed is past tense, awkward after "seemed to".

**Cadence, validate** – Cadence is rhythm of sound/speech, validate means to confirm something's truth (wrong tone).

**S38. Ans.(c)**

**Sol. Sentence:** The young artist's work was both **bold** and provocative, drawing critics who either praised her **unpredictability** or dismissed it as erratic.

**Correct Answer Explanation:**

- **Bold** means daring or confident, matching "provocative".
- **Unpredictability** means inability to be predicted; aligns with "erratic".

**Incorrect Options:**

**Dull, hierarchy** – Dull means boring (opposite of provocative); hierarchy is rank/order, irrelevant.

**Muted, unpredictable** – Muted (soft/restrained) doesn't fit "provocative"; unpredictable is an adjective, needs noun form here.

**Dulled, symmetry** – Dulled is past form of dull (awkward usage); symmetry means balanced design (illogical here).

**Orating, precise** – Orating means speaking formally (wrong part of speech); precise doesn't match "erratic".

S39. Ans.(b)

**Sol. Sentence:** He approached the ancient manuscript with great **reverence**, afraid that even a careless breath might **damage** its fragile pages.

**Correct Answer Explanation:**

- **Reverence** means deep respect; fits with careful approach.
- **Damage** means harm or destroy; fits with “fragile pages”.

**Incorrect Options:**

**Difference, crumbles** – Difference means distinction; irrelevant; crumbles means verb form mismatch.

**Urgency, preserve** – Urgency means immediate need (tone mismatch); preserve is opposite of “might” + harm.

**Curiosity, illuminate** – Curiosity means desire to know; illuminate means light up or clarify; doesn't suit fear of damaging.

**Impulse, damaging** – Impulse means sudden urge; damaging is a participle not grammatically fitting here.

S40. Ans.(c)

**Sol. Sentence:** Her memoir paints a **raw** portrait of survival, shaped by loss but told with a voice both **resilient** and unyielding.

**Correct Answer Explanation:**

- **Raw** means emotionally intense and honest; suits memoir and survival.
- **Resilient** means able to recover from difficulty; matches “unyielding”.

**Incorrect Options:**

**Forlorn, distant** – Forlorn means sad and abandoned; distant means emotionally detached (doesn't match “unyielding”).

**Vibrant, resilience** – Vibrant means full of energy; resilience (noun) should be resilient (adj).

**Fiction, passive** – Fiction means imaginary (memoir is non-fiction); passive means inactive (contradicts unyielding).

**Bleak, resigned** – Bleak means hopeless; resigned means accepting defeat (not matching strength in “unyielding”).

S41. Ans.(b)

**Sol.**

$$(28 + 3x + 16 + 14 + 4x)\% = 100\%$$

$$7x = 42$$

$$x = 6$$

$$\text{The profit earned on selling Bags} = 25000 \times \frac{28}{100} = 7000 \text{ Rs}$$

$$\text{The profit earned on selling Pens} = 25000 \times \frac{3(6)}{100} = 4500 \text{ Rs}$$

$$\text{The profit earned on selling Boxes} = 25000 \times \frac{16}{100} = 4000 \text{ Rs}$$

$$\text{The profit earned on selling Papers} = 25000 \times \frac{14}{100} = 3500 \text{ Rs}$$

$$\text{The profit earned on selling Registers} = 25000 \times \frac{4(6)}{100} = 6000 \text{ Rs}$$

$$\text{Required ratio} = 6000 : 4500 = 4:3$$

**S42. Ans.(e)**

**Sol.**

$$(28 + 3x + 16 + 14 + 4x)\% = 100\%$$

$$7x = 42$$

$$x = 6$$

$$\text{The profit earned on selling Bags} = 25000 \times \frac{28}{100} = 7000 \text{ Rs}$$

$$\text{The profit earned on selling Pens} = 25000 \times \frac{3(6)}{100} = 4500 \text{ Rs}$$

$$\text{The profit earned on selling Boxes} = 25000 \times \frac{16}{100} = 4000 \text{ Rs}$$

$$\text{The profit earned on selling Papers} = 25000 \times \frac{14}{100} = 3500 \text{ Rs}$$

$$\text{The profit earned on selling Registers} = 25000 \times \frac{4(6)}{100} = 6000 \text{ Rs}$$

$$\text{The profit earned on boxes selling on Thursday} = \frac{160}{100} \times 4500 = 7200 \text{ Rs}$$

$$\text{Required difference} = 7200 - 3500 = \text{Rs } 3700$$

**S43. Ans.(d)**

**Sol.**

$$(28 + 3x + 16 + 14 + 4x)\% = 100\%$$

$$7x = 42$$

$$x = 6$$

$$\text{The profit earned on selling Bags} = 25000 \times \frac{28}{100} = 7000 \text{ Rs}$$

$$\text{The profit earned on selling Pens} = 25000 \times \frac{3(6)}{100} = 4500 \text{ Rs}$$

$$\text{The profit earned on selling Boxes} = 25000 \times \frac{16}{100} = 4000 \text{ Rs}$$

$$\text{The profit earned on selling Papers} = 25000 \times \frac{14}{100} = 3500 \text{ Rs}$$

$$\text{The profit earned on selling Registers} = 25000 \times \frac{4(6)}{100} = 6000 \text{ Rs}$$

$$\text{Number of Registers Sold} = \frac{6000}{150} = 40$$

$$\text{Number of Pens Sold} = \frac{4500}{50} = 90$$

$$\text{Required ratio} = 40:90 = 4:9$$

**S44. Ans.(e)**

**Sol.**

$$(28 + 3x + 16 + 14 + 4x)\% = 100\%$$

$$7x = 42$$

$$x = 6$$

$$\text{The profit earned on selling Bags} = 25000 \times \frac{28}{100} = 7000 \text{ Rs}$$

$$\text{The profit earned on selling Pens} = 25000 \times \frac{3(6)}{100} = 4500 \text{ Rs}$$

$$\text{The profit earned on selling Boxes} = 25000 \times \frac{16}{100} = 4000 \text{ Rs}$$

The profit earned on selling Papers =  $25000 \times \frac{14}{100} = 3500$  Rs

The profit earned on selling Registers =  $25000 \times \frac{4(6)}{100} = 6000$  Rs

The profit earned on registers selling on Tuesday =  $\frac{6000}{15} \times 11 = 4400$  Rs

Required percentage =  $\frac{4400}{4000} \times 100 = 110\%$

**S45. Ans.(a)**

**Sol.**

$$(28 + 3x + 16 + 14 + 4x)\% = 100\%$$

$$7x = 42$$

$$x = 6$$

The profit earned on selling Bags =  $25000 \times \frac{28}{100} = 7000$  Rs

The profit earned on selling Pens =  $25000 \times \frac{3(6)}{100} = 4500$  Rs

The profit earned on selling Boxes =  $25000 \times \frac{16}{100} = 4000$  Rs

The profit earned on selling Papers =  $25000 \times \frac{14}{100} = 3500$  Rs

The profit earned on selling Registers =  $25000 \times \frac{4(6)}{100} = 6000$  Rs

Required angle =  $\frac{18}{100} \times 360 = 64.8$  (degree)

**S46. Ans.(b)**

**Sol.**

The pattern of the series:

|     |     |     |      |      |      |     |
|-----|-----|-----|------|------|------|-----|
| 16, | 24, | 51, | 115, | 240, | 456, | 799 |
| 8   | 27  | 64  | 125  | 216  | 343  |     |

**S47. Ans.(e)**

**Sol.**

The pattern of the series:

|                  |                |                  |                |                  |                |     |
|------------------|----------------|------------------|----------------|------------------|----------------|-----|
| 24,              | 4,             | 12,              | 10,            | 28,              | 62,            | 194 |
| $\times 0.5 - 8$ | $\times 1 + 8$ | $\times 1.5 - 8$ | $\times 2 + 8$ | $\times 2.5 - 8$ | $\times 3 + 8$ |     |

**S48. Ans.(d)**

**Sol.**

The pattern of the series:

|                |                |                |                |                |                |      |
|----------------|----------------|----------------|----------------|----------------|----------------|------|
| 6,             | 11,            | 34,            | 67,            | 202,           | 403,           | 1210 |
| $\times 2 - 1$ | $\times 3 + 1$ | $\times 2 - 1$ | $\times 3 + 1$ | $\times 2 - 1$ | $\times 3 + 1$ |      |

**S49. Ans.(b)**

**Sol.**

ATQ,

$$\frac{9000 \times (x + 2) \times 5}{100} = \frac{12000 \times (x - 2) \times 5}{100}$$

$$3x + 6 = 4x - 8$$

$$14 = x$$

**S50. Ans.(e)**

**Sol.**

The total work (LCM of 15, 12 & 10) = 60 days

$$\text{The efficiency of A} = \frac{60}{15} = 4 \text{ units/day}$$

$$\text{The efficiency of B} = \frac{60}{12} = 5 \text{ units/day}$$

$$\text{The efficiency of C} = \frac{60}{10} = 6 \text{ units/day}$$

ATQ,

$$60 = (4 + 6) \times x + 5 \times 2x$$

$$60 = 10x + 10x$$

$$60 = 20x$$

$$3 = x$$

$$\text{Required value} = 3x = 9$$

**S51. Ans.(a)**

**Sol.**

Total employees in A = 240

$$\text{Females in A} = 240 \times \frac{40}{100} = 96$$

$$\text{Males in A} = 240 - 96 = 144$$

Similarly

| Companies | Males | Females |
|-----------|-------|---------|
| <b>A</b>  | 144   | 96      |
| <b>B</b>  | 64    | 96      |
| <b>C</b>  | 144   | 36      |
| <b>D</b>  | 130   | 130     |
| <b>E</b>  | 40    | 160     |

$$\text{The average number of females in B and C together} = \frac{96+36}{2} = 66$$

$$\text{Required percentage} = \frac{66-40}{40} \times 100 = 65\%$$

**S52. Ans.(c)**

**Sol.**

Total employees in A = 240

$$\text{Females in A} = 240 \times \frac{40}{100} = 96$$

$$\text{Males in A} = 240 - 96 = 144$$

Similarly

| Companies | Males | Females |
|-----------|-------|---------|
| A         | 144   | 96      |
| B         | 64    | 96      |
| C         | 144   | 36      |
| D         | 130   | 130     |
| E         | 40    | 160     |

The total number of males in X =  $\frac{130+160}{2} + 5 = 150$

The total number of employees in X =  $1.25 \times 240 = 300$

The total number of females in X =  $300 - 150 = 150$

**S53. Ans.(e)**

**Sol.**

Total employees in A = 240

Females in A =  $240 \times \frac{40}{100} = 96$

Males in A =  $240 - 96 = 144$

Similarly

| Companies | Males | Females |
|-----------|-------|---------|
| A         | 144   | 96      |
| B         | 64    | 96      |
| C         | 144   | 36      |
| D         | 130   | 130     |
| E         | 40    | 160     |

Number of hours worked by total males in week =  $8 \times 7 \times 144 = 8064$  hours

Number of hours worked by total females in week =  $6 \times 7 \times 36 = 1512$  hours

Required difference =  $8064 - 1512 = 6552$  hours

**S54. Ans.(c)**

**Sol.**

Total employees in A = 240

Females in A =  $240 \times \frac{40}{100} = 96$

Males in A =  $240 - 96 = 144$

Similarly

| Companies | Males | Females |
|-----------|-------|---------|
| A         | 144   | 96      |
| B         | 64    | 96      |
| C         | 144   | 36      |
| D         | 130   | 130     |
| E         | 40    | 160     |

Required average =  $\frac{\frac{3}{4} \times 144 + \frac{3}{8} \times 96}{2} = 72$

S55. Ans.(e)

Sol.

Total employees in A = 240

Females in A =  $240 \times \frac{40}{100} = 96$

Males in A =  $240 - 96 = 144$

Similarly

| Companies | Males | Females |
|-----------|-------|---------|
| A         | 144   | 96      |
| B         | 64    | 96      |
| C         | 144   | 36      |
| D         | 130   | 130     |
| E         | 40    | 160     |

Required ratio =  $(144 + 64 + 40) : (240 + 160)$

= 248 : 400

= 31 : 50

S56. Ans.(b)

Sol.

Let the cars sold by A, B, and C be 4x, 5x and 6x respectively.

And the bikes sold by A, B, and C be 3y, 2y and 5y respectively

Given,  $5x - 2y = 18$

And  $\frac{5x}{5y} = \frac{8}{11}$

$\frac{x}{y} = \frac{8}{11} = \frac{8a}{11a}$

$5(8a) - 2(11a) = 18$

$40a - 22a = 18$

$18a = 18$

$a = 1$

$x = 8$  and  $y = 11$

| Companies | Car sold | Bikes sold |
|-----------|----------|------------|
| A         | 32       | 33         |
| B         | 40       | 22         |
| C         | 48       | 55         |

Required difference =  $48 - 33 = 15$

S57. Ans.(a)

Sol.

Let the cars sold by A, B, and C be 4x, 5x and 6x respectively.

And the bikes sold by A, B, and C be 3y, 2y and 5y respectively

Given,  $5x - 2y = 18$

And  $\frac{5x}{5y} = \frac{8}{11}$

$\frac{x}{y} = \frac{8}{11} = \frac{8a}{11a}$

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$$5(8a) - 2(11a) = 18$$

$$40a - 22a = 18$$

$$18a = 18$$

$$a = 1$$

$$x = 8 \text{ and } y = 11$$

| Companies | Car sold | Bikes sold |
|-----------|----------|------------|
| <b>A</b>  | 32       | 33         |
| <b>B</b>  | 40       | 22         |
| <b>C</b>  | 48       | 55         |

$$\text{Required ratio} = 32 : (22+55)/2 = 64:77$$

**S58. Ans.(c)**

**Sol.**

Let the cars sold by A, B, and C be  $4x$ ,  $5x$  and  $6x$  respectively.

And the bikes sold by A, B, and C be  $3y$ ,  $2y$  and  $5y$  respectively

$$\text{Given, } 5x - 2y = 18$$

$$\text{And } \frac{5x}{5y} = \frac{8}{11}$$

$$\frac{x}{y} = \frac{8}{11} = \frac{8a}{11a}$$

$$5(8a) - 2(11a) = 18$$

$$40a - 22a = 18$$

$$18a = 18$$

$$a = 1$$

$$x = 8 \text{ and } y = 11$$

| Companies | Car sold | Bikes sold |
|-----------|----------|------------|
| <b>A</b>  | 32       | 33         |
| <b>B</b>  | 40       | 22         |
| <b>C</b>  | 48       | 55         |

$$\text{Required difference} = \frac{5}{12} \times 48 - \frac{3}{8} \times 32 = 20 - 12 = 8$$

**S59. Ans.(c)**

**Sol.**

Let the cars sold by A, B, and C be  $4x$ ,  $5x$  and  $6x$  respectively.

And the bikes sold by A, B, and C be  $3y$ ,  $2y$  and  $5y$  respectively

$$\text{Given, } 5x - 2y = 18$$

$$\text{And } \frac{5x}{5y} = \frac{8}{11}$$

$$\frac{x}{y} = \frac{8}{11} = \frac{8a}{11a}$$

$$5(8a) - 2(11a) = 18$$

$$40a - 22a = 18$$

$$18a = 18$$

$$a = 1$$

$$x = 8 \text{ and } y = 11$$

| Companies | Car sold | Bikes sold |
|-----------|----------|------------|
| <b>A</b>  | 32       | 33         |
| <b>B</b>  | 40       | 22         |
| <b>C</b>  | 48       | 55         |

$$\text{Required percentage} = \frac{55-40}{40} \times 100 = 37.5\%$$

S60. Ans.(d)

Sol.

Let the cars sold by A, B, and C be  $4x$ ,  $5x$  and  $6x$  respectively.

And the bikes sold by A, B, and C be  $3y$ ,  $2y$  and  $5y$  respectively

Given,  $5x - 2y = 18$

$$\text{And } \frac{5x}{5y} = \frac{8}{11}$$

$$\frac{x}{y} = \frac{8}{11} = \frac{8a}{11a}$$

$$5(8a) - 2(11a) = 18$$

$$40a - 22a = 18$$

$$18a = 18$$

$$a = 1$$

$$x = 8 \text{ and } y = 11$$

| Companies | Car sold | Bikes sold |
|-----------|----------|------------|
| A         | 32       | 33         |
| B         | 40       | 22         |
| C         | 48       | 55         |

$$\text{Required sum} = \frac{33}{3} \times 7 + 1.2 \times 40 = 125$$

S61. Ans.(d)

Sol.

The ratio of quantity of milk to water =  $85\% : 15\% = 17 : 3$

Let the quantity of milk and water be  $17a$  and  $3a$  respectively.

ATQ,

$$\frac{17a - 20 \times \frac{17}{20}}{3a - 20 \times \frac{3}{20} + 30} = \frac{65}{35}$$

$$\frac{17a - 17}{3a + 27} = \frac{13}{7}$$

$$119a - 119 = 39a + 351$$

$$80a = 470$$

$$a = \frac{470}{80}$$

$$\text{Required answer} = \frac{470}{80} \times 20 = 117.5 \text{ liters}$$

S62. Ans.(c)

Sol.

Let the weight of A and B be  $7x$  and  $5x$  kg respectively.

ATQ,

$$\frac{7x + 5x}{7x + 40} = \frac{4}{5}$$

$$\frac{12x}{7x + 40} = \frac{4}{5}$$

$$15x - 7x = 40$$

$$8x = 40$$

$$x = 5$$

The weight of A and B is 35 and 25 kg respectively

$$\text{Required average} = \frac{35+25+40}{3} = \frac{100}{3} = 33.33 \text{ kg}$$

**S63. Ans.(d)**

**Sol.**

Let the speed of the boat in still water be  $b$  km/hr.

And the distance between the X and Y be  $D$  km

ATQ,

$$\frac{D}{b+4} + \frac{D}{b-4} = 5$$

$$\frac{D(b-4+b+4)}{b^2-16} = 5$$

$$2bD = 5b^2 - 80$$

Two variables in single equation can't solve.

**S64. Ans.(c)**

**Sol.**

Let the present age of P and Q be  $8x$  and  $7x + 6$  years respectively.

The present age of R =  $2(7x + 6) = 14x + 12$  years

ATQ,

$$\frac{8x+6}{14x+12+6} = \frac{11}{23}$$

$$184x + 138 = 154x + 198$$

$$30x = 60$$

$$x = 2$$

$$\text{Required age} = 14x + 12 = 14(2) + 12 = 40 \text{ years}$$

**S65. Ans.(e)**

**Sol.**

Let the side of the cube be  $a$  cm

$$6 \times a^2 = 294$$

$$a = 7$$

Let the radius of the sphere be  $r$  cm

ATQ,

$$\frac{4}{3} \times \frac{22}{7} \times r \times r \times r = \frac{21}{88}$$

$$r \times r \times r = 343$$

$$r = 7$$

$$\text{Required curved surface area of the sphere} = 4 \times \frac{22}{7} \times 7 \times 7 = 616 \text{ sq. cm}$$

**S66. Ans.(a)**

**Sol.**

Approximately amount spend on Groceries and Rent is 30% and 20% respectfully.

Let the monthly income of A be Rs  $100x$

$$\text{Amount spend on groceries} = 100x \times \frac{30}{100} = \text{Rs } 30x$$

$$\text{Amount spend on Rent} = (100x - 30x) \times \frac{20}{100} = \text{Rs } 14x$$

$$\text{Amount spend on EMI} = (100x - 30x - 14x) \times \frac{1}{4} = \text{Rs } 14x$$

ATQ,

$$1260 = (100x - 30x - 14x - 14x)$$

$$x = 30$$

$$\text{Required income} = 30 \times 100 = \text{Rs } 3000$$

**S67. Ans.(b)**

**Sol.**

$$\text{The length of the train A} = 90 \times \frac{5}{18} \times 16 = 400 \text{ meter}$$

$$\text{The length of the train B} = 400 \times \frac{100}{160} = 250 \text{ meters}$$

$$\text{Speed of the train B} = 90 \times \frac{5}{18} \times \frac{2}{5} = 10 \text{ m/sec}$$

$$\text{Required time} = \frac{150+250}{10} = 40 \text{ seconds}$$

**S68. Ans.(e)**

**Sol.**

Let the marked price and selling price of the article be Rs  $36a$  and Rs  $35a$  respectively

$$\text{Let the cost price} = \frac{35a}{7} \times 4 = 20a \text{ Rs}$$

ATQ,

$$36a - 20a = 160$$

$$10 = a$$

$$\text{Required profit} = (35a - 20a) = 15a = \text{Rs } 150$$

**S69. Ans.(a)**

**Sol.**

$$\text{Cumulative compound interest} = \left(10 + 10 + \frac{10 \times 10}{100}\right) \% = 21\%$$

ATQ,

$$(P + 500) \times \frac{21}{100} = 1785$$

$$(P + 500) = 8500$$

$$P = 8000$$

$$\text{Required interest} = \frac{21}{100} \times (8000 - 1000) = \text{Rs } 1470$$

**S70. Ans.(b)**

**Sol.**

The profit-sharing ratio of A to B =  $6000 \times 9 + 3000 \times 3 : 8000 \times 9 + (8000 + X) \times 3$   
 $= 21000 : 32000 + X$

ATQ,

$$\frac{21000}{32000 + X} = \frac{21}{34}$$

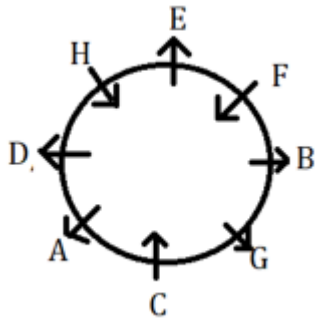
$$34000 - 32000 = X$$

$$2000 = X$$

**S71. Ans.(b)**

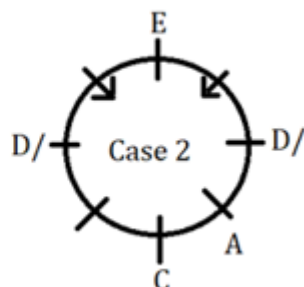
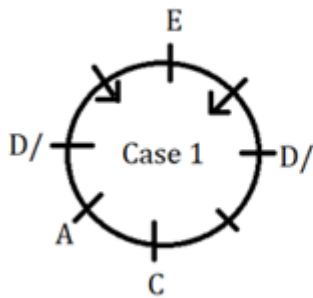
**Sol.**

Final Arrangement:



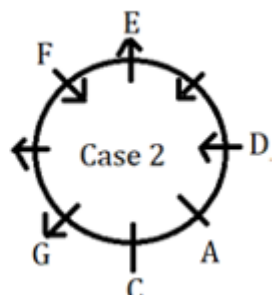
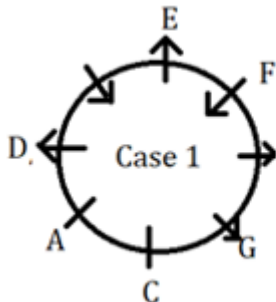
**Clues:** Three persons sit between C and E. A is an immediate neighbour of C. Both the immediate neighbours of E face inside. D is neither an immediate neighbour of E nor C.

**Inference:** Here we get two possible cases:



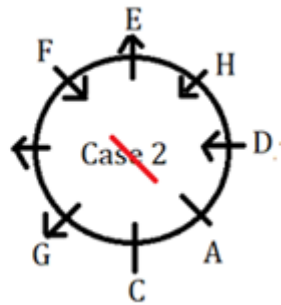
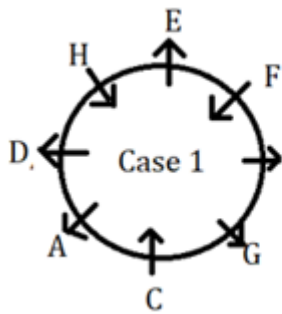
**Clues:** G sits third to the left of D. G doesn't face inside. Both the immediate neighbours of F face outside. F is not an immediate neighbour of D.

**Inference:** Above clues are placed in both cases:

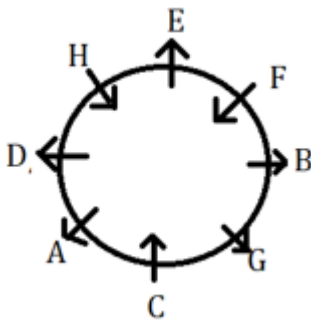


**Clues:** H doesn't face in the same direction as G. Immediate neighbours of G face opposite direction to each other.

**Inference:** Case 2 gets cancelled here because it is given that only three persons face inside.



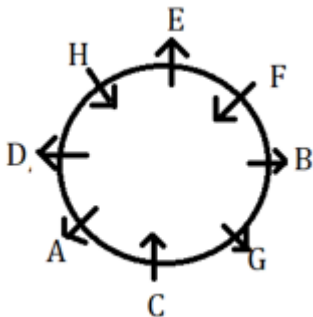
**Inference:** Only place for B is left. Now, the final Arrangement is:



Fifth to the right

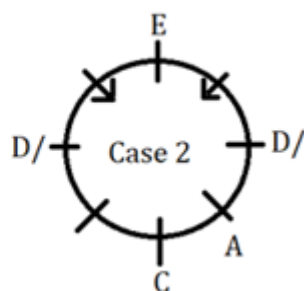
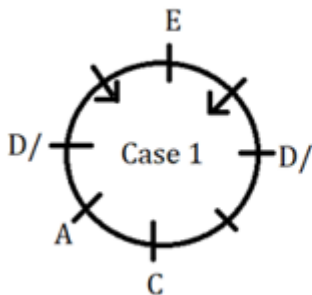
**S72. Ans.(d)**

**Sol.** Final Arrangement:



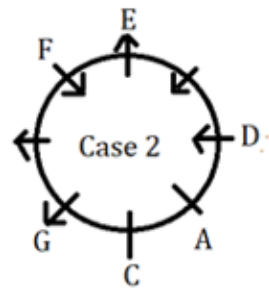
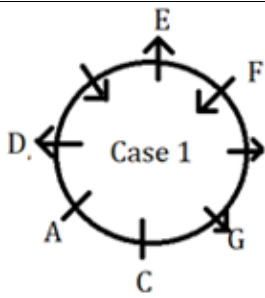
**Clues:** Three persons sit between C and E. A is an immediate neighbour of C. Both the immediate neighbours of E face inside. D is neither an immediate neighbour of E nor C.

**Inference:** Here we get two possible cases:



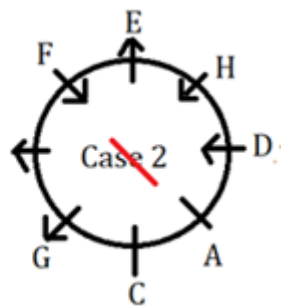
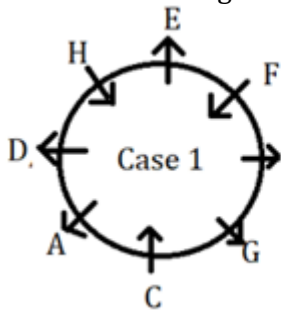
**Clues:** G sits third to the left of D. G doesn't face inside. Both the immediate neighbours of F face outside. F is not an immediate neighbour of D.

**Inference:** Above clues are placed in both cases:

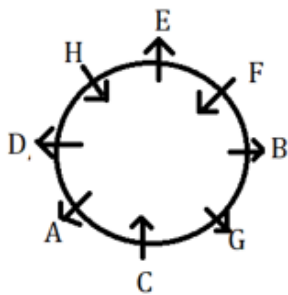


**Clues:** H doesn't face in the same direction as G. Immediate neighbours of G face opposite direction to each other.

**Inference:** Case 2 gets cancelled here because it is given that only three persons face inside.



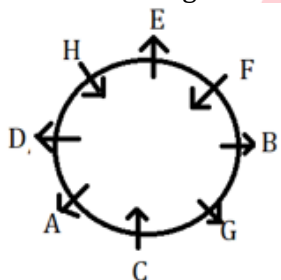
**Inference:** Only place for B is left. Now, the final Arrangement is:



Four

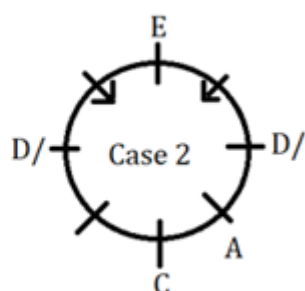
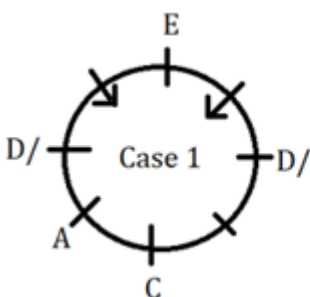
**S73. Ans.(a)**

**Sol.** Final Arrangement:



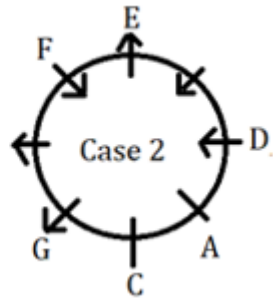
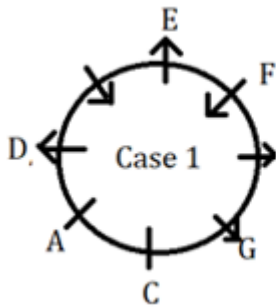
**Clues:** Three persons sit between C and E. A is an immediate neighbour of C. Both the immediate neighbours of E face inside. D is neither an immediate neighbour of E nor C.

**Inference:** Here we get two possible cases:



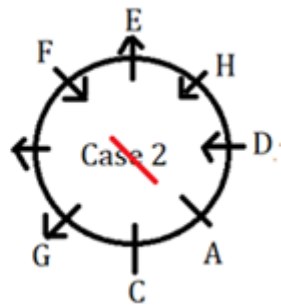
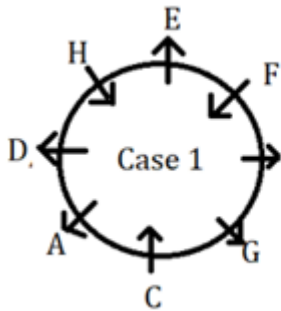
**Clues:** G sits third to the left of D. G doesn't face inside. Both the immediate neighbours of F face outside. F is not an immediate neighbour of D.

**Inference:** Above clues are placed in both cases:

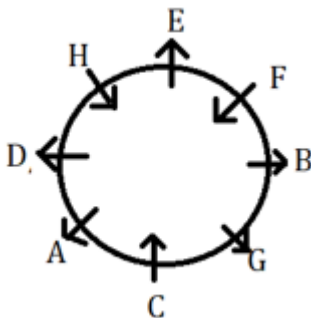


**Clues:** H doesn't face in the same direction as G. Immediate neighbours of G face opposite direction to each other.

**Inference:** Case 2 gets cancelled here because it is given that only three persons face inside.



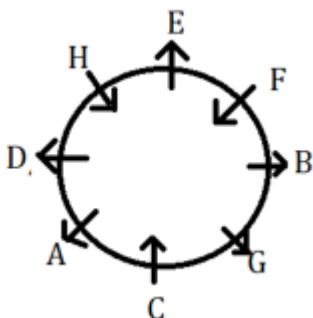
**Inference:** Only place for B is left. Now, the final Arrangement is:



Except F-C, both the persons in all the other options face the opposite direction to each other.

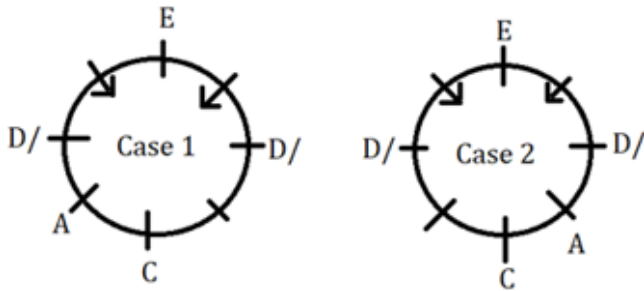
**S74. Ans.(d)**

**Sol.** Final Arrangement:



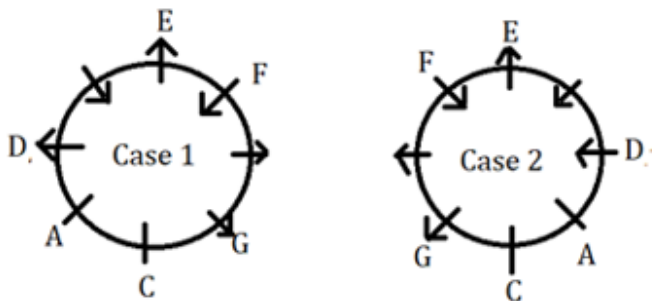
**Clues:** Three persons sit between C and E. A is an immediate neighbour of C. Both the immediate neighbours of E face inside. D is neither an immediate neighbour of E nor C.

**Inference:** Here we get two possible cases:



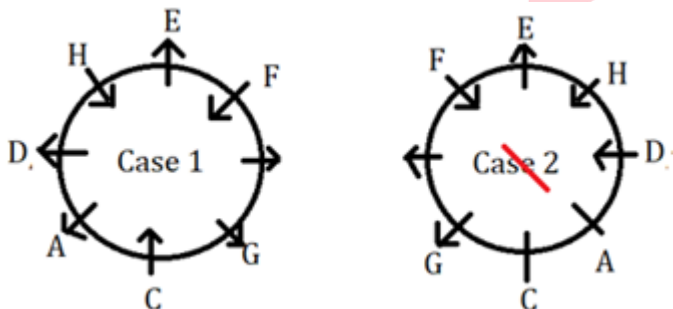
**Clues:** G sits third to the left of D. G doesn't face inside. Both the immediate neighbours of F face outside. F is not an immediate neighbour of D.

**Inference:** Above clues are placed in both cases:

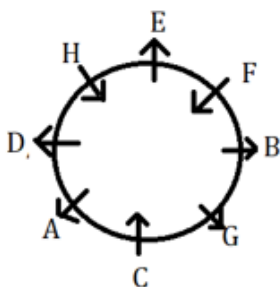


**Clues:** H doesn't face in the same direction as G. Immediate neighbours of G face opposite direction to each other.

**Inference:** Case 2 gets cancelled here because it is given that only three persons face inside.



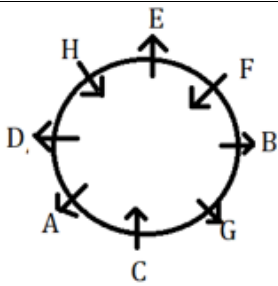
**Inference:** Only place for B is left. Now, the final Arrangement is:



Both I and III

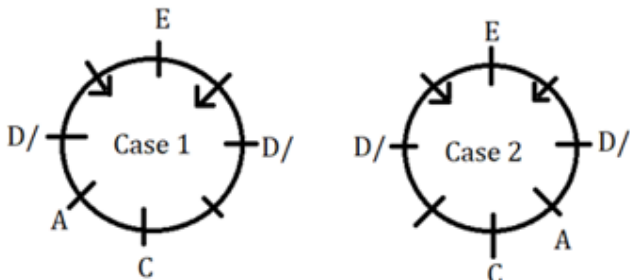
**S75. Ans.(c)**

**Sol.** Final Arrangement:



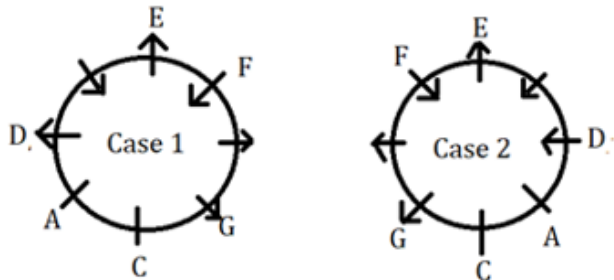
**Clues:** Three persons sit between C and E. A is an immediate neighbour of C. Both the immediate neighbours of E face inside. D is neither an immediate neighbour of E nor C.

**Inference:** Here we get two possible cases:



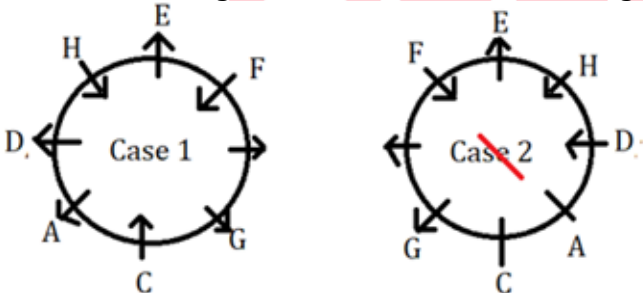
**Clues:** G sits third to the left of D. G doesn't face inside. Both the immediate neighbours of F face outside. F is not an immediate neighbour of D.

**Inference:** Above clues are placed in both cases:

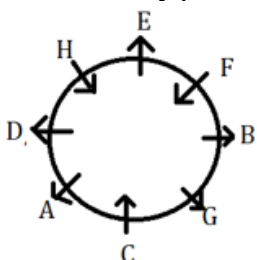


**Clues:** H doesn't face in the same direction as G. Immediate neighbours of G face opposite direction to each other.

**Inference:** Case 2 gets cancelled here because it is given that only three persons face inside.



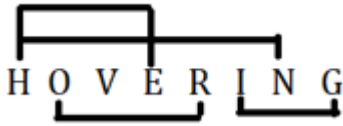
**Inference:** Only place for B is left. Now, the final Arrangement is:



"D sits second to the left of E" is the true statement.

S76. Ans.(a)

Sol. Four pairs are formed.



S77. Ans.(c)

Sol. Final Arrangement:

| States | Persons |
|--------|---------|
| Goa    | J       |
|        | Q       |
|        | L       |
|        | P       |
| Sikkim | H       |
|        | E       |
|        | R       |
| Bihar  | M       |
|        | G       |
|        | N       |
|        | K       |

**Clues:** J lives in Goa. H doesn't live in the same state as J. H and E lives in the same state. M doesn't live in the same state as J.

**Inference:** Here we get two possible cases

| States | Persons | Persons |
|--------|---------|---------|
|        | Case 1  | Case 2  |
| Goa    | J       | J       |
| Sikkim | H       | M/      |
|        | E       |         |
|        | M/      |         |
| Bihar  | M/      | H       |
|        |         | E       |
|        |         | M/      |

**Clues:** G, N and K live in the same state. J and Q live in the same state. R doesn't live in the same state as Q. Even number of persons live with H. Odd number of persons live with P. Q and L live in the same state. R neither live in Bihar nor live with N.

**Inference:** Case 2 gets cancelled here:

| States | Persons | Persons |
|--------|---------|---------|
|        | Case 1  | Case-2  |
| Goa    | J       | J       |
|        | Q       | Q       |
|        | L       | L       |
|        | P       | P       |
| Sikkim | H       | M       |
|        | E       | G       |
|        | R       | N       |
|        |         | K       |
| Bihar  | M       | H       |
|        | G       | E       |
|        | N       | R       |
|        | K       |         |

**Inference:** Final Arrangement is here:

| States | Persons |
|--------|---------|
| Goa    | J       |
|        | Q       |
|        | L       |
|        | P       |
| Sikkim | H       |
|        | E       |
|        | R       |
| Bihar  | M       |
|        | G       |
|        | N       |
|        | K       |

Except Q, all the other persons live in Bihar.

**S78. Ans.(d)**

**Sol.**

Final Arrangement:

| States | Persons |
|--------|---------|
| Goa    | J       |
|        | Q       |
|        | L       |
|        | P       |
| Sikkim | H       |
|        | E       |
|        | R       |
| Bihar  | M       |
|        | G       |
|        | N       |
|        | K       |

**Clues:** J lives in Goa. H doesn't live in the same state as J. H and E lives in the same state. M doesn't live in the same state as J.

**Inference:** Here we get two possible cases

| States | Persons | Persons |
|--------|---------|---------|
|        | Case 1  | Case 2  |
| Goa    | J       | J       |
| Sikkim | H       | M/      |
|        | E       |         |
|        | M/      |         |
| Bihar  | M/      | H       |
|        |         | E       |
|        |         | M/      |

**Clues:** G, N and K live in the same state. J and Q live in the same state. R doesn't live in the same state as Q. Even number of persons live with H. Odd number of persons live with P. Q and L live in the same state. R neither live in Bihar nor live with N.

**Inference:** Case 2 gets cancelled here:

| States | Persons | Persons |
|--------|---------|---------|
|        | Case 1  | Case 2  |
| Goa    | J       | J       |
|        | Q       | Q       |
|        | L       | L       |
|        | P       | P       |
| Sikkim | H       | M       |
|        | E       | G       |
|        | R       | N       |
|        |         | K       |
| Bihar  | M       | H       |
|        | G       | E       |
|        | N       | R       |
|        | K       |         |

**Inference:** Final Arrangement is here:

| States | Persons |
|--------|---------|
| Goa    | J       |
|        | Q       |
|        | L       |
|        | P       |
| Sikkim | H       |
|        | E       |
|        | R       |
|        |         |
| Bihar  | M       |
|        | G       |
|        | N       |
|        | K       |

Both I and III

**S79. Ans.(b)**

**Sol.**

Final Arrangement:

| States | Persons |
|--------|---------|
| Goa    | J       |
|        | Q       |
|        | L       |
|        | P       |
| Sikkim | H       |
|        | E       |
|        | R       |
|        |         |
| Bihar  | M       |
|        | G       |
|        | N       |
|        | K       |

**Clues:** J lives in Goa. H doesn't live in the same state as J. H and E lives in the same state. M doesn't live in the same state as J.

**Inference:** Here we get two possible cases

| States | Persons | Persons |
|--------|---------|---------|
|        | Case 1  | Case 2  |
| Goa    | J       | J       |
| Sikkim | H       | M/      |
|        | E       |         |
|        | M/      |         |
| Bihar  | M/      | H       |
|        |         | E       |
|        |         | M/      |

**Clues:** G, N and K live in the same state. J and Q live in the same state. R doesn't live in the same state as Q. Even number of persons live with H. Odd number of persons live with P. Q and L live in the same state. R neither live in Bihar nor live with N.

**Inference:** Case 2 gets cancelled here:

| States | Persons | Persons |
|--------|---------|---------|
|        | Case 1  | Case 2  |
| Goa    | J       | J       |
|        | Q       | Q       |
|        | L       | L       |
|        | P       | P       |
| Sikkim | H       | M       |
|        | E       | G       |
|        | R       | N       |
|        |         | K       |
| Bihar  | M       | H       |
|        | G       | E       |
|        | N       | R       |
|        | K       |         |

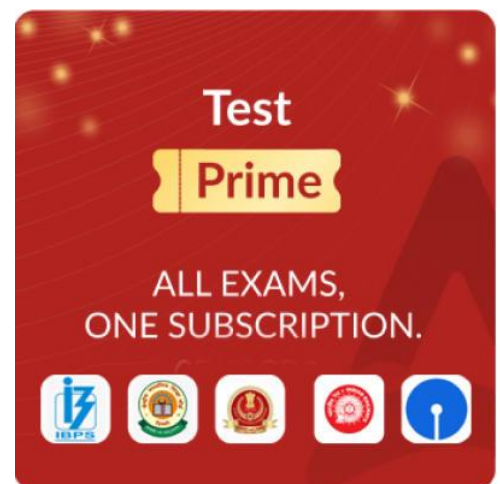
**Inference:** Final Arrangement is here:

| States | Persons |
|--------|---------|
| Goa    | J       |
|        | Q       |
|        | L       |
|        | P       |
| Sikkim | H       |
|        | E       |
|        | R       |
| Bihar  | M       |
|        | G       |
|        | N       |
|        | K       |

H and R live in same state

**S80. Ans.(e)**

**Sol.** Final Arrangement:



| States | Persons |
|--------|---------|
| Goa    | J       |
|        | Q       |
|        | L       |
|        | P       |
| Sikkim | H       |
|        | E       |
|        | R       |
| Bihar  | M       |
|        | G       |
|        | N       |
|        | K       |

**Clues:** J lives in Goa. H doesn't live in the same state as J. H and E lives in the same state. M doesn't live in the same state as J.

**Inference:** Here we get two possible cases

| States | Persons | Persons |
|--------|---------|---------|
|        | Case 1  | Case 2  |
| Goa    | J       | J       |
| Sikkim | H       | M/      |
|        | E       |         |
|        | M/      |         |
| Bihar  | M/      | H       |
|        |         | E       |
|        |         | M/      |

**Clues:** G, N and K live in the same state. J and Q live in the same state. R doesn't live in the same state as Q. Even number of persons live with H. Odd number of persons live with P. Q and L live in the same state. R neither live in Bihar nor live with N.

**Inference:** Case 2 gets cancelled here:

| States | Persons | Persons |
|--------|---------|---------|
|        | Case 1  | Case 2  |
| Goa    | J       | J       |
|        | Q       | Q       |
|        | L       | L       |
|        | P       | P       |
| Sikkim | H       | M       |
|        | E       | G       |
|        | R       | N       |
|        |         | K       |
| Bihar  | M       | H       |
|        | G       | E       |
|        | N       | R       |
|        | K       |         |

**Inference:** Final Arrangement is here:

| States | Persons |
|--------|---------|
| Goa    | J       |
|        | Q       |
|        | L       |
|        | P       |
| Sikkim | H       |
|        | E       |
|        | R       |
| Bihar  | M       |
|        | G       |
|        | N       |
|        | K       |

R is related to E, both of them belongs to the same state.

**S81. Ans.(c)**

**Sol.**

Final Arrangement:

| States | Persons |
|--------|---------|
| Goa    | J       |
|        | Q       |
|        | L       |
|        | P       |
| Sikkim | H       |
|        | E       |
|        | R       |
| Bihar  | M       |
|        | G       |
|        | N       |
|        | K       |

**Clues:** J lives in Goa. H doesn't live in the same state as J. H and E lives in the same state. M doesn't live in the same state as J.

**Inference:** Here we get two possible cases

| States | Persons | Persons |
|--------|---------|---------|
|        | Case 1  | Case 2  |
| Goa    | J       | J       |
| Sikkim | H       | M/      |
|        | E       |         |
|        | M/      |         |
| Bihar  | M/      | H       |
|        |         | E       |
|        |         | M/      |

**Clues:** G, N and K live in the same state. J and Q live in the same state. R doesn't live in the same state as Q. Even number of persons live with H. Odd number of persons live with P. Q and L live in the same state. R neither live in Bihar nor live with N.

**Inference:** Case 2 gets cancelled here:

| States | Persons | Persons |
|--------|---------|---------|
|        | Case 1  | Case 2  |
| Goa    | J       | J       |
|        | Q       | Q       |
|        | L       | L       |
|        | P       | P       |
| Sikkim | H       | M       |
|        | E       | G       |
|        | R       | N       |
|        |         | K       |
| Bihar  | M       | H       |
|        | G       | E       |
|        | N       | R       |
|        | K       |         |

**Inference:** Final Arrangement is here:

| States | Persons |
|--------|---------|
| Goa    | J       |
|        | Q       |
|        | L       |
|        | P       |
| Sikkim | H       |
|        | E       |
|        | R       |
| Bihar  | M       |
|        | G       |
|        | N       |
|        | K       |

The number of persons lives with E is one less than the number of persons lives with **N**.

**S82. Ans.(c)**

**Sol. Final arrangement:**

| Box | Fruit/Vegetable |
|-----|-----------------|
| D   | Orange          |
| C   | Carrot          |
| A   | Apple           |
| F   | Potato          |
| E   | Tomato          |
| B   | Cherry          |
| G   | Mango           |

**Clues:** The box which has orange is placed just above box C. Four boxes are in between box C and box G. One box is placed between box G and the box which has tomato.

**Inference:** Here, we have three possible cases:

| Box    | Fruit/Vegetable | Box    | Fruit/Vegetable | Box    | Fruit/Vegetable |
|--------|-----------------|--------|-----------------|--------|-----------------|
| Case 1 |                 | Case 2 |                 | Case 3 |                 |
|        |                 | G      |                 |        | Orange          |
| G      |                 |        |                 | C      |                 |
|        |                 |        | Tomato          |        |                 |
|        | Tomato          |        |                 |        |                 |
|        |                 |        | Orange          |        | Tomato          |
|        | Orange          | C      |                 |        |                 |
| C      |                 |        |                 | G      |                 |

**Clues:** The box which has potato is placed three boxes below box D. Number of boxes placed above box D is same as the number of boxes placed below the box which has mango. Box F is placed two boxes above the box which has cherry. Box F is not the topmost box.

**Inference:** Case 1 will cancel here because there is no place for the box which has mango. Case2 will cancel here because there is no place for that box which has cherry.

| Box           | Fruit/Vegetable | Box           | Fruit/Vegetable | Box           | Fruit/Vegetable |
|---------------|-----------------|---------------|-----------------|---------------|-----------------|
| <b>Case 1</b> |                 | <b>Case 2</b> |                 | <b>Case 3</b> |                 |
|               |                 | G             |                 | D             | Orange          |
| G             |                 | F/            |                 | C             |                 |
|               |                 | F/            | Tomato          |               |                 |
| D             | Tomato          | D             | Mango           | F             | Potato          |
|               |                 | F/            | Orange          |               | Tomato          |
|               | Orange          | G             |                 |               | Cherry          |
| G             | Potato          |               | Potato          | G             | Mango           |

**Clues:** One box is placed between box A and box E which has apple. One of the boxes has carrot.

**Inference:** After placing, the final arrangement is:

| Box | Fruit/Vegetable |
|-----|-----------------|
| D   | Orange          |
| C   | Carrot          |
| A   | Apple           |
| F   | Potato          |
| E   | Tomato          |
| B   | Cherry          |
| G   | Mango           |

Box B - Cherry

S83. Ans.(d)

Sol.

Final arrangement:

| Box | Fruit/Vegetable |
|-----|-----------------|
| D   | Orange          |
| C   | Carrot          |
| A   | Apple           |
| F   | Potato          |
| E   | Tomato          |
| B   | Cherry          |
| G   | Mango           |

**Clues:** The box which has orange is placed just above box C. Four boxes are in between box C and box G. One box is placed between box G and the box which has tomato.

**Inference:** Here, we have three possible cases:

| Box           | Fruit/Vegetable | Box           | Fruit/Vegetable | Box           | Fruit/Vegetable |
|---------------|-----------------|---------------|-----------------|---------------|-----------------|
| <b>Case 1</b> |                 | <b>Case 2</b> |                 | <b>Case 3</b> |                 |
|               |                 | G             |                 |               | Orange          |
| G             |                 |               |                 | C             |                 |
|               |                 |               | Tomato          |               |                 |
|               | Tomato          |               |                 |               |                 |
|               |                 |               | Orange          |               | Tomato          |
|               | Orange          | C             |                 |               |                 |
| C             |                 |               |                 | G             |                 |

**Clues:** The box which has potato is placed three boxes below box D. Number of boxes placed above box D is same as the number of boxes placed below the box which has mango. Box F is placed two boxes above the box which has cherry. Box F is not the topmost box.

**Inference:** Case 1 will cancel here because there is no place for the box which has mango. Case2 will cancel here because there is no place for that box which has cherry.

| Box           | Fruit/Vegetable | Box           | Fruit/Vegetable | Box           | Fruit/Vegetable |
|---------------|-----------------|---------------|-----------------|---------------|-----------------|
| <b>Case 1</b> |                 | <b>Case 2</b> |                 | <b>Case 3</b> |                 |
|               |                 | G             |                 | D             | Orange          |
| G             |                 | F/            |                 | C             |                 |
|               |                 | F/            | Tomato          |               |                 |
| D             | Tomato          | D             | Mango           | F             | Potato          |
|               |                 | F/            | Orange          |               | Tomato          |
|               | Orange          | G             |                 |               | Cherry          |
| G             | Potato          |               | Potato          | G             | Mango           |

**Clues:** One box is placed between box A and box E which has apple. One of the boxes has carrot.

**Inference:** After placing, the final arrangement is:

| Box | Fruit/Vegetable |
|-----|-----------------|
| D   | Orange          |
| C   | Carrot          |
| A   | Apple           |
| F   | Potato          |
| E   | Tomato          |
| B   | Cherry          |
| G   | Mango           |

Four boxes

S84. Ans.(a)

Sol.

Final arrangement:

| Box | Fruit/Vegetable |
|-----|-----------------|
| D   | Orange          |
| C   | Carrot          |
| A   | Apple           |
| F   | Potato          |
| E   | Tomato          |
| B   | Cherry          |
| G   | Mango           |

**Clues:** The box which has orange is placed just above box C. Four boxes are in between box C and box G. One box is placed between box G and the box which has tomato.

**Inference:** Here, we have three possible cases:

| Box           | Fruit/Vegetable | Box           | Fruit/Vegetable | Box           | Fruit/Vegetable |
|---------------|-----------------|---------------|-----------------|---------------|-----------------|
| <b>Case 1</b> |                 | <b>Case 2</b> |                 | <b>Case 3</b> |                 |
|               |                 | G             |                 |               | Orange          |
| G             |                 |               |                 | C             |                 |
|               |                 |               | Tomato          |               |                 |
|               | Tomato          |               |                 |               |                 |
|               |                 |               | Orange          |               | Tomato          |
|               | Orange          | C             |                 |               |                 |
| C             |                 |               |                 | G             |                 |

**Clues:** The box which has potato is placed three boxes below box D. Number of boxes placed above box D is same as the number of boxes placed below the box which has mango. Box F is placed two boxes above the box which has cherry. Box F is not the topmost box.

**Inference:** Case 1 will cancel here because there is no place for the box which has mango. Case2 will cancel here because there is no place for that box which has cherry.

| Box           | Fruit/Vegetable | Box           | Fruit/Vegetable | Box           | Fruit/Vegetable |
|---------------|-----------------|---------------|-----------------|---------------|-----------------|
| <b>Case 1</b> |                 | <b>Case 2</b> |                 | <b>Case 3</b> |                 |
|               |                 | G             |                 | D             | Orange          |
| G             |                 | F/            |                 | C             |                 |
|               |                 | F/            | Tomato          |               |                 |
| D             | Tomato          | D             | Mango           | F             | Potato          |
|               |                 | F/            | Orange          |               | Tomato          |
|               | Orange          | G             |                 |               | Cherry          |
| G             | Potato          |               | Potato          | G             | Mango           |

**Clues:** One box is placed between box A and box E which has apple. One of the boxes has carrot.

**Inference:** After placing, the final arrangement is:

| Box | Fruit/Vegetable |
|-----|-----------------|
| D   | Orange          |
| C   | Carrot          |
| A   | Apple           |
| F   | Potato          |
| E   | Tomato          |
| B   | Cherry          |
| G   | Mango           |

Box B - Cherry

**S85. Ans.(b)**

**Sol.**

**Final arrangement:**

| Box | Fruit/Vegetable |
|-----|-----------------|
| D   | Orange          |
| C   | Carrot          |
| A   | Apple           |
| F   | Potato          |
| E   | Tomato          |
| B   | Cherry          |
| G   | Mango           |

**Clues:** The box which has orange is placed just above box C. Four boxes are in between box C and box G. One box is placed between box G and the box which has tomato.

**Inference:** Here, we have three possible cases:

| Box           | Fruit/Vegetable | Box           | Fruit/Vegetable | Box           | Fruit/Vegetable |
|---------------|-----------------|---------------|-----------------|---------------|-----------------|
| <b>Case 1</b> |                 | <b>Case 2</b> |                 | <b>Case 3</b> |                 |
|               |                 | G             |                 |               | Orange          |
| G             |                 |               |                 | C             |                 |
|               |                 |               | Tomato          |               |                 |
|               | Tomato          |               |                 |               |                 |
|               |                 |               | Orange          |               | Tomato          |
|               | Orange          | C             |                 |               |                 |
| C             |                 |               |                 | G             |                 |

**Clues:** The box which has potato is placed three boxes below box D. Number of boxes placed above box D is same as the number of boxes placed below the box which has mango. Box F is placed two boxes above the box which has cherry. Box F is not the topmost box.

**Inference:** Case 1 will cancel here because there is no place for the box which has mango. Case2 will cancel here because there is no place for that box which has cherry.

| Box           | Fruit/Vegetable | Box           | Fruit/Vegetable | Box           | Fruit/Vegetable |
|---------------|-----------------|---------------|-----------------|---------------|-----------------|
| <b>Case 1</b> |                 | <b>Case 2</b> |                 | <b>Case 3</b> |                 |
|               |                 | G             |                 | D             | Orange          |
| G             |                 | F/            |                 | C             |                 |
|               |                 | F/            | Tomato          |               |                 |
| D             | Tomato          | D             | Mango           | F             | Potato          |
|               |                 | F/            | Orange          |               | Tomato          |
|               | Orange          | G             |                 |               | Cherry          |
| G             | Potato          |               | Potato          | G             | Mango           |

**Clues:** One box is placed between box A and box E which has apple. One of the boxes has carrot.

**Inference:** After placing, the final arrangement is:

| Box | Fruit/Vegetable |
|-----|-----------------|
| D   | Orange          |
| C   | Carrot          |
| A   | Apple           |
| F   | Potato          |
| E   | Tomato          |
| B   | Cherry          |
| G   | Mango           |

'F – Tomato' is incorrect

**S86. Ans.(e)**

**Sol.**

**Final arrangement:**

| Box | Fruit/Vegetable |
|-----|-----------------|
| D   | Orange          |
| C   | Carrot          |
| A   | Apple           |
| F   | Potato          |
| E   | Tomato          |
| B   | Cherry          |
| G   | Mango           |

**Clues:** The box which has orange is placed just above box C. Four boxes are in between box C and box G. One box is placed between box G and the box which has tomato.

**Inference:** Here, we have three possible cases:

| Box           | Fruit/Vegetable | Box           | Fruit/Vegetable | Box           | Fruit/Vegetable |
|---------------|-----------------|---------------|-----------------|---------------|-----------------|
| <b>Case 1</b> |                 | <b>Case 2</b> |                 | <b>Case 3</b> |                 |
|               |                 | G             |                 |               | Orange          |
| G             |                 |               |                 | C             |                 |
|               |                 |               | Tomato          |               |                 |
|               | Tomato          |               |                 |               |                 |
|               |                 |               | Orange          |               | Tomato          |
|               | Orange          | C             |                 |               |                 |
| C             |                 |               |                 | G             |                 |

**Clues:** The box which has potato is placed three boxes below box D. Number of boxes placed above box D is same as the number of boxes placed below the box which has mango. Box F is placed two boxes above the box which has cherry. Box F is not the topmost box.

**Inference:** Case 1 will cancel here because there is no place for the box which has mango. Case2 will cancel here because there is no place for that box which has cherry.

| Box           | Fruit/Vegetable | Box           | Fruit/Vegetable | Box           | Fruit/Vegetable |
|---------------|-----------------|---------------|-----------------|---------------|-----------------|
| <b>Case 1</b> |                 | <b>Case 2</b> |                 | <b>Case 3</b> |                 |
|               |                 | G             |                 | D             | Orange          |
| G             |                 | F/            |                 | C             |                 |
|               |                 | F/            | Tomato          |               |                 |
| D             | Tomato          | D             | Mango           | F             | Potato          |
|               |                 | F/            | Orange          |               | Tomato          |
|               | Orange          | G             |                 |               | Cherry          |
| G             | Potato          |               | Potato          | G             | Mango           |

**Clues:** One box is placed between box A and box E which has apple. One of the boxes has carrot.

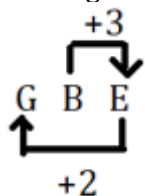
**Inference:** After placing, the final arrangement is:

| Box | Fruit/Vegetable |
|-----|-----------------|
| D   | Orange          |
| C   | Carrot          |
| A   | Apple           |
| F   | Potato          |
| E   | Tomato          |
| B   | Cherry          |
| G   | Mango           |

Statement (e) is correct

**S87. Ans.(c)**

**Sol.** Logic here is:



**S88. Ans.(a)**

**Sol.**

Final Arrangement:

| Floors | Persons - Items |
|--------|-----------------|
| 7      | V- Pencil       |
| 6      | S-Iron          |
| 5      | T- Glue         |
| 4      | Q-Scissors      |
| 3      | P-Pens          |
| 2      | R- Paper        |
| 1      | U- Colours      |

**Clues:** T lives on floor number 5. R lives on an even-number floor below floor 5. Two persons live between R and the one who has Glue. The one who has glue lives immediately above the one who has Scissors.

**Inference:** We have two possible cases here:

| Floors | Persons - Items | Persons - Items |
|--------|-----------------|-----------------|
|        | Case 1          | Case 2          |
| 7      | Glue            |                 |
| 6      | Scissors        |                 |
| 5      | T               | T- Glue         |
| 4      | R               | Scissors        |
| 3      |                 |                 |
| 2      |                 | R               |
| 1      |                 |                 |

**Clues:** The number of persons live above the one who has scissors is one more than the number of persons lives below the one who has Pens. One person was born between the one who has Pens and U. P lives on a prime number floor below T.

**Inference:** Above clues are placed in both cases:

| Floors | Persons - Items | Persons - Items |
|--------|-----------------|-----------------|
|        | Case 1          | Case 2          |
| 7      | Glue            |                 |
| 6      | Scissors        |                 |
| 5      | T               | T- Glue         |
| 4      | R               | Scissors        |
| 3      | U               | P-Pens          |
| 2      | P               | R               |
| 1      | Pens            | U               |

**Clues:** Two persons live between P and the person who has Iron. The one who has Iron lives below V. As many persons live above V as after the one who has Colours. S lives above the one who has Paper and below the one who has pencil. S lives above Q.

**Inference:** Case 1 gets cancelled here: \_\_\_\_\_

| Floors | Persons - Items       | Persons - Items |
|--------|-----------------------|-----------------|
|        | Case 1                | Case 2          |
| 7      | <del>S- Glue</del>    | V- Pencil       |
| 6      | <del>V-Scissors</del> | S-Iron          |
| 5      | <del>T-Iron</del>     | T- Glue         |
| 4      | <del>R-paper/</del>   | Q-Scissors      |
| 3      | <del>U-paper/</del>   | P-Pens          |
| 2      | <del>P-Colours</del>  | R- Paper        |
| 1      | <del>Pens</del>       | U- Colour       |

**Inference:** Final Arrangement is here:

| Floors | Persons - Items |
|--------|-----------------|
| 7      | V- Pencil       |
| 6      | S-Iron          |
| 5      | T- Glue         |
| 4      | Q-Scissors      |
| 3      | P-Pens          |
| 2      | R- Paper        |
| 1      | U- Colours      |

Both I and II

S89. Ans.(c)

Sol.

Final Arrangement:

| Floors | Persons - Items |
|--------|-----------------|
| 7      | V- Pencil       |
| 6      | S-Iron          |
| 5      | T- Glue         |
| 4      | Q-Scissors      |
| 3      | P-Pens          |
| 2      | R- Paper        |
| 1      | U- Colours      |

**Clues:** T lives on floor number 5. R lives on an even-number floor below floor 5. Two persons live between R and the one who has Glue. The one who has glue lives immediately above the one who has Scissors.

**Inference:** We have two possible cases here:

| Floors | Persons - Items | Persons - Items |
|--------|-----------------|-----------------|
|        | Case 1          | Case 2          |
| 7      | Glue            |                 |
| 6      | Scissors        |                 |
| 5      | T               | T- Glue         |
| 4      | R               | Scissors        |
| 3      |                 |                 |
| 2      |                 | R               |
| 1      |                 |                 |

**Clues:** The number of persons live above the one who has scissors is one more than the number of persons lives below the one who has Pens. One person was born between the one who has Pens and U. P lives on a prime number floor below T.

**Inference:** Above clues are placed in both cases:

| Floors | Persons - Items | Persons - Items |
|--------|-----------------|-----------------|
|        | Case 1          | Case 2          |
| 7      | Glue            |                 |
| 6      | Scissors        |                 |
| 5      | T               | T- Glue         |
| 4      | R               | Scissors        |
| 3      | U               | P-Pens          |
| 2      | P               | R               |
| 1      | Pens            | U               |

**Clues:** Two persons live between P and the person who has Iron. The one who has Iron lives below V. As many persons live above V as after the one who has Colours. S lives above the one who has Paper and below the one who has pencil. S lives above Q.

**Inference:** Case 1 gets cancelled here:

| Floors | Persons-<br>Items | Persons -<br>Items |
|--------|-------------------|--------------------|
|        | Case 1            | Case 2             |
| 7      | S-Glue            | V- Pencil          |
| 6      | V-Scissors        | S-Iron             |
| 5      | T-Iron            | T- Glue            |
| 4      | R-paper/          | Q-Scissors         |
| 3      | U-paper/          | P-Pens             |
| 2      | P-Colours         | R- Paper           |
| 1      | Pens              | U- Colour          |

**Inference:** Final Arrangement is here:

| Floors | Persons -<br>Items |
|--------|--------------------|
| 7      | V- Pencil          |
| 6      | S-Iron             |
| 5      | T- Glue            |
| 4      | Q-Scissors         |
| 3      | P-Pens             |
| 2      | R- Paper           |
| 1      | U- Colours         |

Three

**S90. Ans.(b)**

**Sol.** Final Arrangement:

| Floors | Persons -<br>Items |
|--------|--------------------|
| 7      | V- Pencil          |
| 6      | S-Iron             |
| 5      | T- Glue            |
| 4      | Q-Scissors         |
| 3      | P-Pens             |
| 2      | R- Paper           |
| 1      | U- Colours         |

**Clues:** T lives on floor number 5. R lives on an even-number floor below floor 5. Two persons live between R and the one who has Glue. The one who has glue lives immediately above the one who has Scissors.

**Inference:** We have two possible cases here:

| Floors | Persons<br>- Items | Persons<br>- Items |
|--------|--------------------|--------------------|
|        | Case 1             | Case 2             |
| 7      | Glue               |                    |
| 6      | Scissors           |                    |
| 5      | T                  | T- Glue            |
| 4      | R                  | Scissors           |
| 3      |                    |                    |
| 2      |                    | R                  |
| 1      |                    |                    |

**Clues:** The number of persons live above the one who has scissors is one more than the number of persons lives below the one who has Pens. One person was born between the one who has Pens and U. P lives on a prime number floor below T.

**Inference:** Above clues are placed in both cases:

| Floors | Persons - Items | Persons - Items |
|--------|-----------------|-----------------|
|        | Case 1          | Case 2          |
| 7      | Glue            |                 |
| 6      | Scissors        |                 |
| 5      | T               | T- Glue         |
| 4      | R               | Scissors        |
| 3      | U               | P-Pens          |
| 2      | P               | R               |
| 1      | Pens            | U               |

**Clues:** Two persons live between P and the person who has Iron. The one who has Iron lives below V. As many persons live above V as after the one who has Colours. S lives above the one who has Paper and below the one who has pencil. S lives above Q.

**Inference:** Case 1 gets cancelled here:

| Floors | Persons - Items       | Persons - Items |
|--------|-----------------------|-----------------|
|        | Case 1                | Case 2          |
| 7      | <del>S</del> Glue     | V- Pencil       |
| 6      | <del>V</del> Scissors | S-Iron          |
| 5      | <del>T</del> Iron     | T- Glue         |
| 4      | <del>R</del> paper/   | Q-Scissors      |
| 3      | <del>U</del> paper/   | P-Pens          |
| 2      | <del>P</del> Colours  | R- Paper        |
| 1      | <del>Pens</del>       | U- Colour       |

**Inference:** Final Arrangement is here:

| Floors | Persons - Items |
|--------|-----------------|
| 7      | V- Pencil       |
| 6      | S-Iron          |
| 5      | T- Glue         |
| 4      | Q-Scissors      |
| 3      | P-Pens          |
| 2      | R- Paper        |
| 1      | U- Colours      |

Scissors

**S91. Ans.(d)**

**Sol.** Final Arrangement:

| Floors | Persons - Items |
|--------|-----------------|
| 7      | V- Pencil       |
| 6      | S-Iron          |
| 5      | T- Glue         |
| 4      | Q-Scissors      |
| 3      | P-Pens          |
| 2      | R- Paper        |
| 1      | U- Colours      |

**Clues:** T lives on floor number 5. R lives on an even-number floor below floor 5. Two persons live between R and the one who has Glue. The one who has glue lives immediately above the one who has Scissors.

**Inference:** We have two possible cases here:

| Floors | Persons - Items | Persons - Items |
|--------|-----------------|-----------------|
|        | Case 1          | Case 2          |
| 7      | Glue            |                 |
| 6      | Scissors        |                 |
| 5      | T               | T- Glue         |
| 4      | R               | Scissors        |
| 3      |                 |                 |
| 2      |                 | R               |
| 1      |                 |                 |

**Clues:** The number of persons live above the one who has scissors is one more than the number of persons lives below the one who has Pens. One person was born between the one who has Pens and U. P lives on a prime number floor below T.

**Inference:** Above clues are placed in both cases:

| Floors | Persons - Items | Persons - Items |
|--------|-----------------|-----------------|
|        | Case 1          | Case 2          |
| 7      | Glue            |                 |
| 6      | Scissors        |                 |
| 5      | T               | T- Glue         |
| 4      | R               | Scissors        |
| 3      | U               | P-Pens          |
| 2      | P               | R               |
| 1      | Pens            | U               |

**Clues:** Two persons live between P and the person who has Iron. The one who has Iron lives below V. As many persons live above V as after the one who has Colours. S lives above the one who has Paper and below the one who has pencil. S lives above Q.

**Inference:** Case 1 gets cancelled here:

| Floors | Persons - Items       | Persons - Items |
|--------|-----------------------|-----------------|
|        | Case 1                | Case 2          |
| 7      | <del>S- Glue</del>    | V- Pencil       |
| 6      | <del>V-Scissors</del> | S-Iron          |
| 5      | <del>T-Iron</del>     | T- Glue         |
| 4      | <del>R-paper/</del>   | Q-Scissors      |
| 3      | <del>U-paper/</del>   | P-Pens          |
| 2      | <del>P-Colours</del>  | R- Paper        |
| 1      | <del>Pens</del>       | U- Colour       |

**Inference:** Final Arrangement is here:

| Floors | Persons - Items |
|--------|-----------------|
| 7      | V- Pencil       |
| 6      | S-Iron          |
| 5      | T- Glue         |
| 4      | Q-Scissors      |
| 3      | P-Pens          |
| 2      | R- Paper        |
| 1      | U- Colours      |

R is related to Colours, Logic here is: The person lives immediately above the second person who has the mentioned item.

S92. Ans.(c)

Sol. Final Arrangement:

| Floors | Persons - Items |
|--------|-----------------|
| 7      | V- Pencil       |
| 6      | S-Iron          |
| 5      | T- Glue         |
| 4      | Q-Scissors      |
| 3      | P-Pens          |
| 2      | R- Paper        |
| 1      | U- Colours      |

**Clues:** T lives on floor number 5. R lives on an even-number floor below floor 5. Two persons live between R and the one who has Glue. The one who has glue lives immediately above the one who has Scissors.

**Inference:** We have two possible cases here:

| Floors | Persons - Items | Persons - Items |
|--------|-----------------|-----------------|
|        | Case 1          | Case 2          |
| 7      | Glue            |                 |
| 6      | Scissors        |                 |
| 5      | T               | T- Glue         |
| 4      | R               | Scissors        |
| 3      |                 |                 |
| 2      |                 | R               |
| 1      |                 |                 |

**Clues:** The number of persons live above the one who has scissors is one more than the number of persons lives below the one who has Pens. One person was born between the one who has Pens and U. P lives on a prime number floor below T.

**Inference:** Above clues are placed in both cases:

| Floors | Persons - Items | Persons - Items |
|--------|-----------------|-----------------|
|        | Case 1          | Case 2          |
| 7      | Glue            |                 |
| 6      | Scissors        |                 |
| 5      | T               | T- Glue         |
| 4      | R               | Scissors        |
| 3      | U               | P-Pens          |
| 2      | P               | R               |
| 1      | Pens            | U               |

**Clues:** Two persons live between P and the person who has Iron. The one who has Iron lives below V. As many persons live above V as after the one who has Colours. S lives above the one who has Paper and below the one who has pencil. S lives above Q.

**Inference:** Case 1 gets cancelled here:

| Floors | Persons-<br>Items | Persons -<br>Items |
|--------|-------------------|--------------------|
|        | Case 1            | Case 2             |
| 7      | S-Glue            | V- Pencil          |
| 6      | V-Scissors        | S-Iron             |
| 5      | T-Iron            | T- Glue            |
| 4      | R-paper/          | Q-Scissors         |
| 3      | U-paper/          | P-Pens             |
| 2      | P-Colours         | R- Paper           |
| 1      | Pens              | U- Colour          |

**Inference:** Final Arrangement is here:

| Floors | Persons -<br>Items |
|--------|--------------------|
| 7      | V- Pencil          |
| 6      | S-Iron             |
| 5      | T- Glue            |
| 4      | Q-Scissors         |
| 3      | P-Pens             |
| 2      | R- Paper           |
| 1      | U- Colours         |

'R lives immediately below T' is false

**S93. Ans.(b)**

**Sol.**

Final Arrangement:

| Months | Dates | Persons -<br>Fruits |
|--------|-------|---------------------|
|        |       | Case 1              |
| March  | 9     | J- Apple            |
|        | 26    | M- Pear             |
| April  | 9     | E - Orange          |
|        | 26    | H- Mango            |
| May    | 9     | N-Grape             |
|        | 26    | K-Cherry            |

**Clues:** J was born on an odd numbered date in the month having odd number of days. Three persons were born between J and the one who likes Grape. E was born on an odd number date but doesn't like Grape.

**Inference:** Here we get two possible cases

| Months | Dates | Persons -<br>Fruits | Persons -<br>Fruits |
|--------|-------|---------------------|---------------------|
|        |       | Case 1              | Case 2              |
| March  | 9     | J                   | Grape               |
|        | 26    |                     |                     |
| April  | 9     | E                   | E                   |
|        | 26    |                     |                     |
| May    | 9     | Grape               | J                   |
|        | 26    |                     |                     |

**Clues:** The one who likes Cherry was born three persons after E. The number of persons born after the one who likes Cherry is one less than the number of persons born before M. M was born immediately before the one who likes Orange.

**Inference:** Above clues are placed in both cases:

| Months | Dates | Persons - Fruits | Persons - Fruits |
|--------|-------|------------------|------------------|
|        |       | Case 1           | Case 2           |
| March  | 9     | J                | Grape            |
|        | 26    | M                | M                |
| April  | 9     | E - Orange       | E- Orange.       |
|        | 26    |                  |                  |
| May    | 9     | Grape            | J                |
|        | 26    | Cherry           | Cherry           |

**Clues:** One person was born between the one who likes Orange and N. H likes Mango. The one who likes Pear was born after the one who likes Apple. The one who likes Apple was not born on an even number date.

**Inference:** Case 2 gets cancelled here:

| Months | Dates | Persons - Fruits | Persons- Fruits       |
|--------|-------|------------------|-----------------------|
|        |       | Case 1           | Case-2                |
| March  | 9     | J- Apple         | <del>N- Grape</del>   |
|        | 26    | M- Pear          | <del>M- Apple</del>   |
| April  | 9     | E - Orange       | <del>E- Orange.</del> |
|        | 26    | H- Mango         | <del>H- Mango</del>   |
| May    | 9     | N- Grape         | <del>J- Pear</del>    |
|        | 26    | Cherry           | <del>Cherry</del>     |

**Inference:** Only place for K is left. Now, the final Arrangement is:

| Months | Dates | Persons - Fruits |
|--------|-------|------------------|
|        |       | Case 1           |
| March  | 9     | J- Apple         |
|        | 26    | M- Pear          |
| April  | 9     | E - Orange       |
|        | 26    | H- Mango         |
| May    | 9     | N- Grape         |
|        | 26    | K- Cherry        |

N was born on 9 May.

**S94. Ans.(a)**

**Sol.** Final Arrangement:

| Months | Dates | Persons - Fruits |
|--------|-------|------------------|
|        |       | Case 1           |
| March  | 9     | J- Apple         |
|        | 26    | M- Pear          |
| April  | 9     | E - Orange       |
|        | 26    | H- Mango         |
| May    | 9     | N- Grape         |
|        | 26    | K- Cherry        |

**Clues:** J was born on an odd numbered date in the month having odd number of days. Three persons were born between J and the one who likes Grape. E was born on an odd number date but doesn't like Grape.

**Inference:** Here we get two possible cases

| Months | Dates | Persons - Fruits | Persons - Fruits |
|--------|-------|------------------|------------------|
|        |       | Case 1           | Case 2           |
| March  | 9     | J                | Grape            |
|        | 26    |                  |                  |
| April  | 9     | E                | E                |
|        | 26    |                  |                  |
| May    | 9     | Grape            | J                |
|        | 26    |                  |                  |

**Clues:** The one who likes Cherry was born three persons after E. The number of persons born after the one who likes Cherry is one less than the number of persons born before M. M was born immediately before the one who likes Orange.

**Inference:** Above clues are placed in both cases:

| Months | Dates | Persons - Fruits | Persons - Fruits |
|--------|-------|------------------|------------------|
|        |       | Case 1           | Case 2           |
| March  | 9     | J                | Grape            |
|        | 26    | M                | M                |
| April  | 9     | E - Orange       | E- Orange.       |
|        | 26    |                  |                  |
| May    | 9     | Grape            | J                |
|        | 26    | Cherry           | Cherry           |

**Clues:** One person was born between the one who likes Orange and N. H likes Mango. The one who likes Pear was born after the one who likes Apple. The one who likes Apple was not born on an even number date.

**Inference:** Case 2 gets cancelled here:

| Months | Dates | Persons - Fruits | Persons- Fruits       |
|--------|-------|------------------|-----------------------|
|        |       | Case 1           | Case 2                |
| March  | 9     | J- Apple         | <del>N- Grape</del>   |
|        | 26    | M- Pear          | <del>M- Apple</del>   |
| April  | 9     | E - Orange       | <del>E- Orange.</del> |
|        | 26    | H- Mango         | <del>H- Mango</del>   |
| May    | 9     | N- Grape         | <del>J- Pear</del>    |
|        | 26    | Cherry           | <del>Cherry</del>     |

**Inference:** Only place for K is left. Now, the final Arrangement is:

| Months | Dates | Persons - Fruits |
|--------|-------|------------------|
|        |       | Case 1           |
| March  | 9     | J- Apple         |
|        | 26    | M- Pear          |
| April  | 9     | E - Orange       |
|        | 26    | H- Mango         |
| May    | 9     | N- Grape         |
|        | 26    | K- Cherry        |

Five persons

S95. Ans.(b)

Sol. Final Arrangement:

| Months | Dates | Persons - Fruits |
|--------|-------|------------------|
|        |       | Case 1           |
| March  | 9     | J- Apple         |
|        | 26    | M- Pear          |
| April  | 9     | E - Orange       |
|        | 26    | H- Mango         |
| May    | 9     | N-Grape          |
|        | 26    | K-Cherry         |

**Clues:** J was born on an odd numbered date in the month having odd number of days. Three persons were born between J and the one who likes Grape. E was born on an odd number date but doesn't like Grape.

**Inference:** Here we get two possible cases

| Months | Dates | Persons - Fruits | Persons - Fruits |
|--------|-------|------------------|------------------|
|        |       | Case 1           | Case 2           |
| March  | 9     | J                | Grape            |
|        | 26    |                  |                  |
| April  | 9     | E                | E                |
|        | 26    |                  |                  |
| May    | 9     | Grape            | J                |
|        | 26    |                  |                  |

**Clues:** The one who likes Cherry was born three persons after E. The number of persons born after the one who likes Cherry is one less than the number of persons born before M. M was born immediately before the one who likes Orange.

**Inference:** Above clues are placed in both cases:

| Months | Dates | Persons - Fruits | Persons - Fruits |
|--------|-------|------------------|------------------|
|        |       | Case 1           | Case 2           |
| March  | 9     | J                | Grape            |
|        | 26    | M                | M                |
| April  | 9     | E - Orange       | E- Orange.       |
|        | 26    |                  |                  |
| May    | 9     | Grape            | J                |
|        | 26    | Cherry           | Cherry           |

**Clues:** One person was born between the one who likes Orange and N. H likes Mango. The one who likes Pear was born after the one who likes Apple. The one who likes Apple was not born on an even number date.

**Inference:** Case 2 gets cancelled here:

| Months | Dates | Persons - Fruits | Persons- Fruits      |
|--------|-------|------------------|----------------------|
|        |       | Case 1           | Case 2               |
| March  | 9     | J- Apple         | <del>N-Grape</del>   |
|        | 26    | M- Pear          | <del>M-Apple</del>   |
| April  | 9     | E - Orange       | <del>E-Orange.</del> |
|        | 26    | H- Mango         | <del>H-Mango</del>   |
| May    | 9     | N-Grape          | <del>J-Pear</del>    |
|        | 26    | Cherry           | <del>Cherry</del>    |

**Inference:** Only place for K is left. Now, the final Arrangement is:

| Months | Dates | Persons - Fruits |
|--------|-------|------------------|
|        |       | Case 1           |
| March  | 9     | J- Apple         |
|        | 26    | M- Pear          |
| April  | 9     | E - Orange       |
|        | 26    | H- Mango         |
| May    | 9     | N-Grape          |
|        | 26    | K-Cherry         |

The number of persons born after the one who likes Apple is same as the number of persons born between K and I

**S96. Ans.(c)**

**Sol.** Final Arrangement:

| Months | Dates | Persons - Fruits |
|--------|-------|------------------|
|        |       | Case 1           |
| March  | 9     | J- Apple         |
|        | 26    | M- Pear          |
| April  | 9     | E - Orange       |
|        | 26    | H- Mango         |
| May    | 9     | N-Grape          |
|        | 26    | K-Cherry         |

**Clues:** J was born on an odd numbered date in the month having odd number of days. Three persons were born between J and the one who likes Grape. E was born on an odd number date but doesn't like Grape.

**Inference:** Here we get two possible cases

| Months | Dates | Persons - Fruits | Persons - Fruits |
|--------|-------|------------------|------------------|
|        |       | Case 1           | Case 2           |
| March  | 9     | J                | Grape            |
|        | 26    |                  |                  |
| April  | 9     | E                | E                |
|        | 26    |                  |                  |
| May    | 9     | Grape            | J                |
|        | 26    |                  |                  |

**Clues:** The one who likes Cherry was born three persons after E. The number of persons born after the one who likes Cherry is one less than the number of persons born before M. M was born immediately before the one who likes Orange.

**Inference:** Above clues are placed in both cases:

| Months | Dates | Persons - Fruits | Persons - Fruits |
|--------|-------|------------------|------------------|
|        |       | Case 1           | Case 2           |
| March  | 9     | J                | Grape            |
|        | 26    | M                | M                |
| April  | 9     | E - Orange       | E- Orange.       |
|        | 26    |                  |                  |
| May    | 9     | Grape            | J                |
|        | 26    | Cherry           | Cherry           |

**Clues:** One person was born between the one who likes Orange and N. H likes Mango. The one who likes Pear was born after the one who likes Apple. The one who likes Apple was not born on an even number date.

**Inference:** Case 2 gets cancelled here:

| Months | Dates | Persons - Fruits | <del>Persons - Fruits</del> |
|--------|-------|------------------|-----------------------------|
|        |       | Case 1           | Case 2                      |
| March  | 9     | J- Apple         | <del>N- Grape</del>         |
|        | 26    | M- Pear          | <del>M- Apple</del>         |
| April  | 9     | E - Orange       | <del>E- Orange.</del>       |
|        | 26    | H- Mango         | <del>H- Mango</del>         |
| May    | 9     | N- Grape         | <del>J- Pear</del>          |
|        | 26    | Cherry           | <del>Cherry</del>           |

**Inference:** Only place for K is left. Now, the final Arrangement is:

| Months | Dates | Persons - Fruits |
|--------|-------|------------------|
|        |       | Case 1           |
| March  | 9     | J- Apple         |
|        | 26    | M- Pear          |
| April  | 9     | E - Orange       |
|        | 26    | H- Mango         |
| May    | 9     | N- Grape         |
|        | 26    | K- Cherry        |

'N- Cherry' is incorrect

**S97. Ans.(e)**

**Sol.** Final Arrangement:

| Months | Dates | Persons - Fruits |
|--------|-------|------------------|
|        |       | Case 1           |
| March  | 9     | J- Apple         |
|        | 26    | M- Pear          |
| April  | 9     | E - Orange       |
|        | 26    | H- Mango         |
| May    | 9     | N- Grape         |
|        | 26    | K- Cherry        |

**Clues:** J was born on an odd numbered date in the month having odd number of days. Three persons were born between J and the one who likes Grape. E was born on an odd number date but doesn't like Grape.

**Inference:** Here we get two possible cases

| Months | Dates | Persons - Fruits | Persons - Fruits |
|--------|-------|------------------|------------------|
|        |       | Case 1           | Case 2           |
| March  | 9     | J                | Grape            |
|        | 26    |                  |                  |
| April  | 9     | E                | E                |
|        | 26    |                  |                  |
| May    | 9     | Grape            | J                |
|        | 26    |                  |                  |

**Clues:** The one who likes Cherry was born three persons after E. The number of persons born after the one who likes Cherry is one less than the number of persons born before M. M was born immediately before the one who likes Orange.

**Inference:** Above clues are placed in both cases:

| Months | Dates | Persons - Fruits | Persons - Fruits |
|--------|-------|------------------|------------------|
|        |       | Case 1           | Case 2           |
| March  | 9     | J                | Grape            |
|        | 26    | M                | M                |
| April  | 9     | E - Orange       | E- Orange.       |
|        | 26    |                  |                  |
| May    | 9     | Grape            | J                |
|        | 26    | Cherry           | Cherry           |

**Clues:** One person was born between the one who likes Orange and N. H likes Mango. The one who likes Pear was born after the one who likes Apple. The one who likes Apple was not born on an even number date.

**Inference:** Case 2 gets cancelled here:

| Months | Dates | Persons - Fruits | Persons- Fruits       |
|--------|-------|------------------|-----------------------|
|        |       | Case 1           | Case-2                |
| March  | 9     | J- Apple         | <del>N- Grape</del>   |
|        | 26    | M- Pear          | <del>M- Apple</del>   |
| April  | 9     | E - Orange       | <del>E- Orange.</del> |
|        | 26    | H- Mango         | <del>H- Mango</del>   |
| May    | 9     | N- Grape         | <del>J- Pear</del>    |
|        | 26    | Cherry           | <del>Cherry</del>     |

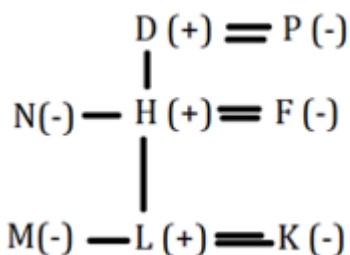
**Inference:** Only place for K is left. Now, the final Arrangement is:

| Months | Dates | Persons - Fruits |
|--------|-------|------------------|
|        |       | Case 1           |
| March  | 9     | J- Apple         |
|        | 26    | M- Pear          |
| April  | 9     | E - Orange       |
|        | 26    | H- Mango         |
| May    | 9     | N- Grape         |
|        | 26    | K- Cherry        |

Only III is correct

S98. Ans.(d)

Sol.



M is the niece of N.

S99. Ans.(b)

Sol.

$$\begin{array}{c} D (+) = P (-) \\ | \\ N (-) - H (+) = F (-) \\ | \\ M (-) - L (+) = K (-) \end{array}$$

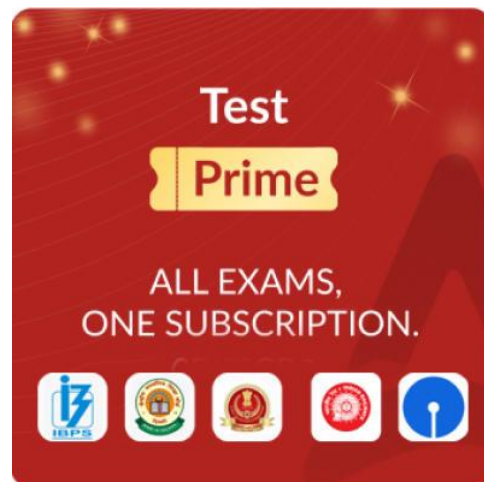
Five females

S100. Ans.(a)

Sol.

$$\begin{array}{c} D (+) = P (-) \\ | \\ N (-) - H (+) = F (-) \\ | \\ M (-) - L (+) = K (-) \end{array}$$

Only II



Test  
Prime

ALL EXAMS,  
ONE SUBSCRIPTION.

