SBI Clerk Pre 2025 Memory Based Paper 21-Sep-2025-1st shift

Directions (1-2): In the question below, a part is omitted which is then replaced by a blank. Choose the word from the given options that will fit into the blank most appropriately.

Q1. The road safety campaign _____ individuals of all age groups to raise awareness about responsible driving habits.
(a) intended
(b) targeted
(c) sustained
(d) pretend
(e) maintained

Q2. _____ can policy makers strive to make education more accessible?
(a) How
(b) What
(c) Whom
(d) When
(e) Where

Directions (3-7): Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one part of the sentence. The corresponding letter of that part is the answer. If the given sentence is correct as it is, then choose option 'No error' as your answer response. (Ignore errors of punctuation, if any).

Q3. They needs (A)/ to submit the report (B)/ before the deadline (C)/ to avoid penalties. (D)
(a) A
(b) B
(c) C
(d) D
(e) No error

Q4. She was hard (A)/ to convince as she (B)/ is use (C)/ to having her opinions valued.(D)
(a) A
(b) B
(c) C
(d) D
(e) No error

Q5. She has being (A)/ working tirelessly (B)/ on the project (C)/ for the past two weeks. (D)
(a) A
(b) B
(c) C
(d) D
(e) No error

Q6. The manager said (A)/ that he will review (B)/ all the applications (C)/ by end of the week. (D)
(a) A
(b) B
(c) C
(d) D
(e) No error

Q7. Neither the teacher (A)/ nor the students (B)/ was aware (C)/ of the sudden schedule change. (D)
(a) A
(b) B
(c) C
(d) D
(e) No error

Directions (8-17): Read the following passage and answer the given questions.

Sayer Daheir began a modest printing press many decades ago, choosing to **begin** his venture with a deep respect for the traditional arts of printing and book binding. At a time when modern technology had started to **look** more appealing to many entrepreneurs, he remained loyal to the classic methods passed down through skilled craftsmen. Every page that left his workshop carried such precision that visitors often felt, with quiet admiration, that there seems no mistake in the delicate strokes of his work.

As the years moved forward, Sayer gradually welcomed his children and relatives into the business so the heritage would never fade. In 1999, his children and siblings finally _____ the company, having taken it much like one **took** a treasure, determined to guard the original techniques their ancestor had loved. They carefully continued the old art of binding and even enriched it by offering metal nameplates to customise each piece, which gave every book an identity of its own. Those who once worked at DA needed no other certificate; the very fact that they had honed their skill there was proof enough of their craftsmanship and dedication.

Today, when tourists arrive, the entire workshop seems to look like a living museum where every corner appears to hold stories of timeless artistry. Generations later, the tradition thrives with the same spirit. Hadiya, Sayer's fourth-generation niece, now works beside her elders and adds her own quiet strength to the family's work. The press that Sayer once founded—and which his heirs later took possession from him—remains a place where artistry speaks louder than machines. Visitors continue to be drawn to its quiet charm and enduring beauty.

Over decades and decades, the Daheir legacy has shown that true artistry starts with passion and is sustained by patience. Without relying on modern technology, the company stands as a living example of how dedication and skill can transform simple materials into timeless art, keeping alive a heritage where there seems no mistake in the harmony between tradition and excellence.

Q8. Which of the following best explains why visitors found the workshop's pages impressive?
(a) The pages were produced using highly advanced machinery imported from overseas.
(b) The books featured metallic covers that reflected modern design sensibilities.
(c) The design was intricate and consistent, reflecting care and expert craftsmanship.
(d) Each book was endorsed by famous artists to increase its credibility.
(e) The pages were produced in large batches ensuring mass production accuracy.

Q9. What can be inferred about the transition of the business in 1999?
(a) It was done unwillingly due to financial decline and pressure from competition.
(b) The family preserved traditional values while adding unique personal touches.
(c) It marked a shift from traditional to completely digital production methods.
(d) The business lost its original character after Sayer's retirement.
(e) Outsiders were hired to bring a fresh perspective to the legacy.

Q10. Which of the following statements is CORRECT according to the passage?
(A) Hadiya represents the latest generation contributing to the Daheir heritage.
(B) In 1999, the original workshop was sold to external investors and rebranded.
(C) The use of metal nameplates was introduced to add uniqueness to the books.
(a) Only A
(b) Both A and B
(c) Both B and C
(d) Both A and C
(e) Only C

Q11. According to the passage, Sayer Dahier _____
(A) began a modest printing press with deep respect for traditional methods
(B) is the only child in his family
(C) depends on government funding to run the press
(a) Only A
(b) Both A and C
(c) Only B
(d) Both B and C
(e) Only C

Q12. Which of the following best describes the present state of the Daheir printing press?
(a) A high-tech printing house competing globally
(b) A living museum showcasing timeless artistry
(c) A declining business facing losses
(d) A government-run heritage site
(e) A training school for modern printing

Q13. Which factor best explains why visitors are drawn to the Daheir printing press even today?
(a) The company's use of state-of-the-art machines.
(b) The quiet charm and timeless artistry preserved across generations.
(c) Its reputation for offering the cheapest printing rates.
(d) The frequent government-sponsored art exhibitions held there.
(e) The availability of modern e-books alongside traditional books.

Q14. Choose the most suitable phrase to fill the given blank in the passage.
(a) handed back
(b) lost control of
(c) in addition to
(d) took possession of
(e) modernised the techniques

Q15. Choose the word with the same meaning as "look" used in the passage.
(a) appear
(b) watch
(c) search
(d) glance
(e) observe

Q16. Choose the word with the opposite in meaning as "begin" used in the passage.
(a) start
(b) initiate
(c) cease
(d) trivial
(e) reduce

Q17. Choose the word with the same meaning as "took" used in the passage.
(a) located
(b) monitored
(c) required
(d) gave
(e) purchased

Q18. In the question below, two columns are given, each containing three phrases/sentences. Choose the option that will connect the phrases to form meaningful and correct sentences.

Column I	Column II
A. The old clock in the hallway	D. through the empty playground
B. The child's laughter echoed	E. and put it on the cotton ball
C. She took the antiseptic from the bottle	F. chimed softly at midnight

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

Directions (19-24): In the following question, a passage is given with few blanks. Choose the most suitable option to for the respective blank to make it grammatically correct and contextually meaningful.

_____ **(A)** up, Maria's love for gardening began in childhood, inspired by afternoons spent with her grandmother in their backyard. Her grandmother patiently taught her how to prepare the soil, sow seeds, and water plants correctly. Watching tiny shoots _____ **(B)** gave Maria joy and a sense of responsibility. Over time, _____ **(C)** plants became more than a hobby; it became her way of staying close to nature.

As she grew older, Maria noticed people _____ **(D)** gardens and pathways with plastics and wrappers, harming the soil and plants. This troubled her deeply. She _____ **(E)** caring only for her own garden was not enough if the surroundings continued to suffer.

With the _____ **(F)** of protecting nature, Maria organized clean-up drives and encouraged neighbors to join. She educated children about the dangers of plastic waste and the importance of safeguarding greenery. Her efforts inspired many to adopt cleaner habits, turning her passion into a movement for a greener community.

Q19. Which of the following is most suitable to fill the blank (A)?
(a) rising
(b) lifting
(c) increasing
(d) growing
(e) elevating

Q20. Which of the following is most suitable to fill the blank (B)?
(a) appearing
(b) emerge
(c) show
(d) detain
(e) reflect

Q21. Which of the following is most suitable to fill the blank (C)?
(a) selecting
(b) detaching
(c) nurturing
(d) sprinkling
(e) feeding

Q22. Which of the following is most suitable to fill the blank (D)?
(a) decorating
(b) littering
(c) spreading
(d) showing
(e) covering

Q23. Which of the following is most suitable to fill the blank (E)?
(a) imagined
(b) supposed
(c) considered
(d) rendered
(e) realized

Q24. Which of the following is most suitable to fill the blank (F)?
(a) thought
(b) scheme
(c) intuitive
(d) planned
(e) feature

Directions (25-27): For the following question, a sentence is provided with few highlighted words that may be incorrectly positioned. Choose the correct sequence to rearrange these words, ensuring the sentence is both grammatically and contextually correct.

Q25. The **irritated (A)** of the **morning (B)** alarm **noise (C)** her.
(a) ACB
(b) BAC
(c) CAB
(d) CBA
(e) No rearrangement required

Q26. She was **climb (A)** trying to **struck (B)** and couldn't **figure (C)** out the way.
(a) ACB
(b) BAC
(c) CAB
(d) CBA
(e) No rearrangement required

Q27. The **cooled (A)** rain **scorching (B)** the **sudden (C)** afternoon.
(a) ACB
(b) BAC
(c) CAB
(d) CBA
(e) No rearrangement required

Q28. The question below contains a bolded word, followed by three sentences. Identify the sentence(s) where the meaning of the given word is used accurately.
ASCEND
(A) She tried to **ascend** the conversation by lowering her tone and avoiding any conflicts.
(B) The company's profits continue to **ascend** as a result of their innovative strategies.

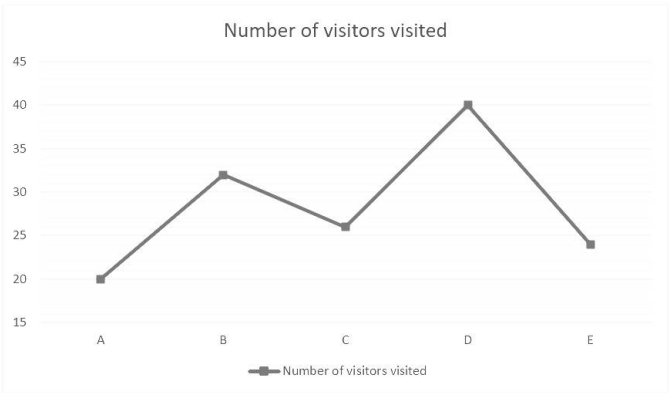
(C) The hikers began to **ascend** the steep mountain trail just after sunrise.
(a) Only A
(b) Both B and C
(c) Only C
(d) Only A and C
(e) All A, B, C

Directions (29-30): The following question gives a sentence which has been divided into five parts which may 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. Choose the option which gives the correct sequence of the parts. If the sentence is already arranged in the correct sequence, mark option " No rearrangement required " as the answer.

Q29. (A) in the
(B) his grandmother tells him
(C) freedom movement
(D) heroic tales of his grandfather's role
(E) during the 18th century
(a) CBEAD
(b) ACEBD
(c) BDACE
(d) DCEBA
(e) No rearrangement required

Q30.
(A) dipped behind
(B) to admire the crimson horizon
(C) the traveler paused
(D) the rolling hills
(E) as the sun slowly
(a) CBEAD
(b) ACEBD
(c) BCDEA
(d) DCEBA
(e) No rearrangement required

Directions (31-35): The line graph given below shows the number of visitor visited on Sunday in five parks (A,B,C,D & E) on Sunday.



Q31. The sum of number of visitors visited Park A and B is what percentage of number of visitors visited in D.
(a) 130
(b) 120
(c) 125
(d) 100
(e) 105

Q32. Find the difference between number of visitors visited in A and E.
(a) 24
(b) 20
(c) 4
(d) 8
(e) 12

Q33. Find the ratio of number of visitors visited in B and C together to number of visitors visited E.
(a) 15:16
(b) 20:21
(c) 12:29
(d) 29:12
(e) 15:17

Q34. In Park F, the number of visitors visited are 20% more than that of D. Find the difference between number of visitors visited in E and F.
(a) 35
(b) 20
(c) 25
(d) 10
(e)24

Q35. If the average number of visitor visited in A on Sunday and Wednesday is 25, then find the visitors visited on Wednesday in A.
(a) 25
(b) 20
(c) 35
(d) 10
(e)30

Directions (36-40): The table given below shows the number of students from two different schools playing three different games i.e. cricket, hockey and football.

Games	A	B
Cricket	20	35
Hockey	25	30
Football	24	36

Q36. Find the ratio of number of students playing cricket from A to number of students playing football from B.
(a) 5:9
(b) 9:5
(c) 6:5
(d) 6:7
(e) 6:1

Q37. Find the average number of students playing cricket in A and hockey in B.
(a) 15
(b) 20
(c) 25
(d) 10
(e) 5

Q38. Find the sum of total number of students playing hockey and cricket from both the schools.
(a) 125
(b) 120
(c) 90
(d) 100
(e) 110

Q39. If 20% of students playing cricket in A also plays rugby, then find the difference between number of students playing rugby in A and hockey in B.
(a) 28
(b) 19
(c) 12
(d) 26
(e) 66

Q40. Find the number of students playing hockey from both the schools are what percentage of 25% of students playing football from both the schools.
(a) 366.66
(b) 309.69
(c) 355.70
(d) 388.67
(e) 666.66

Directions (41-45): Read the information answer the following question.
There are three companies A, B and C. The sum of male working in all the given companies is 86. The female working in A is 25% more than that of males. The male working in B is 26, which is 14 less than the males in A. the female working in A is equal to female working in C. Total employees working in B is 46.

Q41. Find the total employees working in all the companies.
(a) 203
(b) 206
(c) 207
(d) 100
(e) 201

Q42. Number of males working in A is what percentage more than the number of males working in C.
(a) 120
(b) 150
(c) 50
(d) 200
(e) 100

Q43. In C, the ratio of manager to associate are 2:5 and 35 associates are females. Find the male manager.
(a) 6
(b) 5
(c) 4
(d) 2
(e) 9

Q44. Find the ratio of females working in B and C together to male working in B.
(a) 13:35
(b) 35:13
(c) 7:13
(d) 16:17
(e) 16:11

Q45. Find the average number of employees working in A and B.
(a) 68
(b) 69
(c) 70
(d) 67
(e) 66

Q46. The ratio of length to breadth of a rectangle is 5:3, respectively. If twice the perimeter of the rectangle is 96 cm, then find the area of the rectangle (in sq. cm).
(a) 225
(b) 135
(c) 196
(d) 180
(e) 154

Q47. The sum of the upstream and downstream speed of a boat is 16 km/hr. Find time taken by the boat to cover to cover 60 km in still water (in hours).
(a) 7.5
(b) 5
(c) 6
(d) 6.5
(e) 8.5

Q48. A bike covers 150 km in 5 hours, and the speed of a car is 4/5 of the speed of the bike. Find the speed of the car. (in km/hr)
(a) 25
(b) 22
(c) 26
(d) 20
(e) 24

Q49. Scheme X offers simple interest at the rate of 6% p.a. for 9 years, and the amount invested in Scheme X is Rs. 3000. Scheme Y offers simple interest at the rate of 12% p.a. for 6 years, and the amount invested in Scheme Y is Rs. P. If the difference between the interest received

from schemes X and Y is Rs 1260, then find P (Interest received from scheme Y is more than that of scheme X).
(a) 3000
(b) 5500
(c) 4000
(d) 3500
(e) 2500

Q50. Three pipes P, Q, R can fill a tank alone in 8 hours, 12 hours, and 24 hours, respectively. Find the time taken by all three pipes to fill the tank together (in hours).
(a) 5
(b) 3
(c) 4
(d) 6
(e) 8

Q51. A 150 liters mixture of milk and water contains 30% water. 40 liters of this mixture is removed, and y liters of water is added to the remaining mixture. If in the resultant mixture, the ratio of the milk to water becomes 11:6, then find the value of y.
(a) 3
(b) 4
(c) 8
(d) 5
(e) 9

Q52. Ravi and Sohan started a business with investments of Rs. 9000 and Rs. 6000, respectively. After Y months, Sohan left the business. If at the end of the year, the profit share of Sohan is Rs 1500 out of a total profit of Rs 4500, then find Y.
(a) 9
(b) 10
(c) 5
(d) 6
(e) 8

Q53. The ratio of present ages of Aman and Rohan is 3 : 5. Sohan is 8 years older than Aman and 4 years younger than Rohan. Find the age of Rohan after 6 years (in years).
(a) 24
(b) 40
(c) 36
(d) 30
(e) 32

Q54. An article is sold at 20% profit. If it had been sold for Rs. 240 more, the profit percent would have been 30%. Find the cost price of the article (in Rs).
(a) 1500
(b) 1200
(c) 2400
(d) 2200
(e) 1800

Q55. A can complete a piece of work in 15 days, and B can complete the same work in 20 days. They start working together but after 4 days, B leaves. In how many more days will A finish the remaining work (in days)?
(a) 9
(b) 4
(c) 6
(d) 5
(e) 8

Directions (56-65): What value should come in place of question mark?

Q56. $14^2 + 185 \div 37 = ? - 13$
(a) 107
(b) 150
(c) 315
(d) 220
(e) 214

Q57. $\sqrt{256} + 340 \div 34 + 39 = 16 + ? + 13$
(a) 36
(b) 33
(c) 14
(d) 51
(e) 93

Q58. $5 \times 14 - 246 + ? = 58$
(a) 233
(b) 235
(c) 234
(d) 221
(e) 225

Q59. $3333 \div 11 + 150 \div 10 = 10 + ?$
(a) 164
(b) 620
(c) 308
(d) 210
(e) 453

Q60. $4500 \div 45 + 332 + 23 = ?$
(a) 480
(b) 325
(c) 675
(d) 220
(e) 455

Q61. $7^3 + 4524 + 19\%$ of $600 = ? - 2/5$ of 450
(a) 5161
(b) 5262
(c) 5373
(d) 5467
(e) 7656

Q62. $45^2 + 3455 - 12\%$ of $8900 = ?$
(a) 4513
(b) 4412
(c) 4234
(d) 4056
(e) 4055

Q63. $\left(\frac{4560}{15}\right) \div \left(\frac{50}{2450}\right) = ? - 45\% \ of \ 500$
(a) 13345
(b) 12323
(c) 19093
(d) 18118
(e) 15121

Q64. 5456 + 4563- 1344 – 4244 = ?
(a) 4431
(b) 4345
(c) 4056
(d) 5423
(e) 3434

Q65. $\sqrt[3]{6859} \times 4 + 25\% \ of \ 240 = ?$
(a) 184
(b) 136
(c) 58
(d) 124
(e) 256

Directions (66-70): Read the given information carefully and answer the related questions:
Eight persons A, B, C, D, E, F, G and H live on different floors of an eight-floor building where floors are numbered as 1 to 8 from bottom to top respectively. One person live on each floor.
D lives on even number floor above 5th floor. Three persons live between D and B. Number of floors above B is same as the number floors below E. Two persons live between E and G. C lives immediately above A. More than three persons live between A and H.

Q66. How many persons live above A?
(a) None
(b) One
(c) Three
(d) Two
(e) More than two

Q67. Who among the following lives four floors below E?
(a) A
(b) C
(c) H
(d) D
(e) B

Q68. Four of the following five ae similar in a certain manner and related to a group. Which among the following does not belong to the group?
(a) D - A
(b) C - E
(c) C - H
(d) B - G
(e) F - H

Q69. Which of the following statement is/ are TRUE?
I. D lives four floor above F
II. A lives on floor 6
III. B lives above H
(a) Only II
(b) Only I and II
(c) Only I
(d) Only II and III
(e) Only III

Q70. E lives on which of the following floor?
(a) Floor 5
(b) Floor 7
(c) Floor 6
(d) Floor 4
(e) Floor 2

Directions (71-73): In the given question, three statement are followed by two conclusions. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Give an answer.

Q71. Statements:
All Book are Pen.
All Pen are Pencil.
No Pencil is Paper.
Syllogism:
I. Some Pencil are Book.
II. No Pen is Paper.
(a) Only II follow
(b) Neither I nor II follow
(c) Either I or II follow
(d) Only I follow
(e) Both I and II follow

Q72. Statements:
Only a few Tree is Bird.
No Bird is Green.
Only a few Green is Plant.
Syllogism:
I. Some Plant can never be Tree.
II. Some Tree is not Green.
(a) Only I follow
(b) Either I or II follow
(c) Only II follow
(d) Both I and II follow
(e) Neither I nor II follow

Q73. Statements:
Only a few Fish are Water.
No Water is Aqua.
Some Fish is Pond.

Syllogism:
I. Some Pond is Aqua.
II. No Pond is Aqua.
(a) Only II follow
(b) Only I follow
(c) Neither I nor II follow
(d) Either I or II follow
(e) Both I and II follow

Q74. How many pairs of letters are in the word '**COUNTER**', each of which have as many letters between them as they have according to English alphabetical order (both forward and backward direction)?
(a) One
(b) Two
(c) Three
(d) Four
(e) More than four

Directions (75-79): Read the given digit series carefully and answer the related questions:
7 2 5 8 4 1 9 6 3 7 6 2 9 4 5 1 8 1 7 5 2 6 9 4

Q75. How many 7 are immediately followed by an even number?
(a) 1
(b) 2
(c) 3
(d) 4
(e) None of these

Q76. If the second half of the series is reversed, which digit will be the 15th from the left in the new arrangement?
(a) 5
(b) 9
(c) 6
(d) 2
(e) 1

Q77. Which digit is 8th to the right of 15th digit from the right end?
(a) 1
(b) 8
(c) 9
(d) 7
(e) None of these

Q78. If all the square digits are removed from the series, then which digit will be 7th from the right in the remaining sequence?
(a) 2
(b) 5
(c) 6
(d) 8
(e) 3

Q79. How many odd digits are immediately followed by an even number and immediately preceded by an odd number?
(a) One
(b) Two
(c) Three
(d) Four
(e) None

Directions (80-84): Read the given information carefully and answer the related questions:
Eight persons A, B, C, D, E, F, G and H sit around a square-shaped table in such a way that four persons sit at each corner (facing inside) and four sit at the middle of each side of the table (facing outside).
G sits third to the right of E. Three persons sit between G and C. A sits immediate right of C. H sits second t the right of D. B faces F. A sits adjacent to B.

Q80. Four of the following five are similar in a certain manner and related to a group. Which among the following is not related to the group?
(a) A - D
(b) E - C
(c) G - F
(d) H - A
(e) C - B

Q81. Who among the following sits immediate left of F?
(a) C
(b) G
(c) E
(d) D
(e) A

Q82. How many persons sit between G and A when counted from the left of A?
(a) None
(b) One
(c) More than three
(d) Three
(e) Two

Q83. What is the position of H with respect to F?
(a) Second to the right
(b) Immediate left
(c) Third to the left
(d) Thord to the right
(e) Immediate right

Q84. If all the persons are made to sit in alphabetical order in anticlockwise direction starting from A, then position of how many persons will remain unchanged (excluding A)?
(a) Four
(b) Three
(c) Two
(d) One
(e) None

Q85. Find the odd one out.
(a) STQ
(b) FGD
(c) WXU
(d) KLJ
(e) EFC

Directions (86-88): Read the given information carefully and answer the related questions:
Point A is 7m west of point B. Point C is 24m north of point B. Point D is 10m west of point C. Point E is 9m south of point D. Point F is 12m north of point A. Point G is 4m east of point F. Point H is 15m north of point K which is 7m east of point B.

Q86. What is the direction of point H with respect to point E?
(a) North-east
(b) East
(c) South-west
(d) South-east
(e) West

Q87. Four of the following points are similar in a certain manner and related to a group. Which among the following is not related to the group?
(a) F - E
(b) B - D
(c) K - C
(d) B - G
(e) A - H

Q88. What is the shortest distance between point G and H?
(a) 11m
(b) 6m
(c) 13m
(d) 9m
(e) None of the above

Directions (89-91): In the given question, a relationship between different elements is shown in the statements. The statements are followed by two conclusions. Give answer that which conclusion is logically true as per the statement.

Q89. Statement: N > K ≥ P ≥ L = A > D < R
Conclusion: I. R > L II. D < K
(a) if only conclusion I is true
(b) if only conclusion II is true
(c) if either conclusion I or II is true
(d) if neither conclusion I nor II is true
(e) if both conclusions I and II are true

Q90. Statement: T < U < E ≥ C < H > L
Conclusion: I. P < T II. L ≤ E
(a) if only conclusion I is true
(b) if only conclusion II is true
(c) if either conclusion I or II is true
(d) if neither conclusion I nor II is true
(e) if both conclusions I and II are true

Q91. Statement: G < H < E, A ≥ H > S ≥ B
Conclusion: I. A > G II. B > E
(a) if only conclusion I is true
(b) if only conclusion II is true
(c) if either conclusion I or II is true
(d) if neither conclusion I nor II is true
(e) if both conclusions I and II are true

Q92. If it is possible to make a four-letter meaningful words with the 3rd, 6th, 10th and 11th letter from left of the word '**BLOCKBUSTER'**, then which would be the second letter of that meaningful word from right? If more than one such meaningful word can be formed then give 'Y' as your answer. If no such meaningful word can be formed, give 'X' as your answer.
(a) E
(b) B
(c) Y
(d) R
(e) X

Directions (93-95): Read the given information carefully and answer the related questions:
A certain number of persons sit in a row facing north.
Three persons sit between A and B. G sits fifth to the left of B. G sits third from the left end. C sits third to the right of G. H sits sixth to the right of C. Number of persons to the left of A is same as the number of persons sit to the right of H. Two persons sit between H and D. E sits immediate right of D. F sits fourth to the right of E.

Q93. How many persons are in the row?
(a) 21
(b) 17
(c) 12
(d) 15
(e) 18

Q94. Who among the following sits fourth to the left of E?
(a) B
(b) C
(c) A
(d) G
(e) None of the above

Q95. Who among the following sits adjacent to G?
(a) E
(b) D
(c) F
(d) H
(e) A

Directions (96-100): Read the given information carefully and answer the related questions:
Eight boxes A, B, C, D, E, F, G and H are kept one above another in a stack.
Three boxes are kept between box D and box H. Two boxes are kept between box D and box B. Box B is kept above box D. Box C is kept five boxes below box B. Number of boxes kept below box C is same as the number of boxes kept above box A. Box G is kept immediately above box E.

Q96. How many boxes are kept between box F and box B?
(a) One
(b) Two
(c) Three
(d) Four
(e) More than four

Q97. Which box is placed immediately below box C?
(a) None
(b) F
(c) G
(d) C
(e) H

Q98. Four of the following five are similar in a certain manner and related to a group. Which among the following is not related to the group?
(a) A - H
(b) H - F
(c) B - G
(d) E - D
(e) F - C

Q99. Which of the following statement is/are true about box F?
I. Box F is kept above Box A
II. One box is kept below box F
III. Box F is placed two boxes below box E
(a) Only I
(b) Only II
(c) Only II and III
(d) Only I and III
(e) Only I and II

Q100. If all the boxes are again rearranged in alphabetical order from bottom to top, then how many boxes will remain same on their position?
(a) Four
(b) Three
(c) One
(d) None
(e) Two

Solutions

S1. Ans. (b)
Sol. The sentence talks about a road safety campaign focusing on a particular group of people. The word **targeted** correctly expresses that the campaign was **directed towards individuals of all age groups**.
Option Analysis
(a) intended – *planned or meant*.
- **Meaning (English):** planned to do something.
- **Meaning (Hindi):** इरादा किया हुआ, योजना बनाई हुई.
- **Example:** She intended to finish the project by evening.
- Incorrect: Not correct here because the sentence needs a verb showing *action of focusing on people*, not just planning.

(b) targeted – *aimed at a particular group or person*.
- **Meaning (English):** directed an action or message towards a specific group.
- **Meaning (Hindi):** किसी विशेष समूह पर केन्द्रित करना, निशाना साधना.
- **Example:** The advertisement targeted young professionals.
- correct: Fits perfectly as the campaign was aimed at individuals of all age groups.

(c) sustained – *continued for a long time or maintained steadily*.
- **Meaning (English):** kept something going continuously.
- **Meaning (Hindi):** लगातार बनाए रखना, बनाए रखना.
- **Example:** He sustained his efforts despite many failures.
- Incorrect: Does not convey the idea of focusing on a group.

(d) pretend – *to act as if something is true when it is not*.
- **Meaning (English):** to behave as if something is real or true when it is not.
- **Meaning (Hindi):** दिखावा करना, झूठा बहाना करना.
- **Example:** Children often pretend to be superheroes.
- Incorrect: Completely unrelated to the context.

(e) maintained – *kept in a particular state or condition*.
- **Meaning (English):** to keep something in good condition or at a particular level.
- **Meaning (Hindi):** बनाए रखना, कायम रखना.
- **Example:** The company maintained high standards of quality.
- Incorrect: Talks about keeping something as it is, not focusing on people.

S2. Ans. (a)
Sol. The sentence asks about the *manner or way* in which policy makers can work to make education more accessible. The question word that expresses *method or manner* is **How**.
Option Analysis
(a) How – *in what way or manner*.
- **Meaning (English):** by what means or method.
- **Meaning (Hindi):** किस प्रकार, किस तरह.
- **Example:** How can we reduce pollution in cities?
- Correct because the sentence is about the way policy makers can strive.

(b) What – *asking for information about something*.
- **Meaning (English):** asking for a specific thing or information.
- **Meaning (Hindi):** क्या, कौन-सी वस्तु.
- **Example:** What is your favorite subject?
- Not suitable because the sentence is not asking *which thing*, but the *method*.

(c) Whom – *object of a verb or preposition*.
- **Meaning (English):** refers to the person who is the object of an action.
- **Meaning (Hindi):** किसे, किस व्यक्ति को.
- **Example:** Whom did you invite to the seminar?
- Incorrect because it is not asking about a person who receives an action.

(d) When – *at what time*.

- **Meaning (English):** asks about the time something happens.
- **Meaning (Hindi):** कब, किस समय.
- **Example:** When will the results be announced?
- Not suitable as the sentence is about *how* to make education accessible, not *time*.

(e) Where – *at what place or position*.

- **Meaning (English):** asks about location.
- **Meaning (Hindi):** कहाँ, किस स्थान पर.
- **Example:** Where is the nearest railway station?
- Incorrect because it does not ask about location here.

S3. Ans. (a)
Sol. The subject **"They"** is **plural**, so the verb must also be plural. "Needs" is the **singular** form. The correct verb is **"need"**.
Rule: Subject-verb agreement – a **plural subject** takes a **plural verb** without **-s**.
Correction: *They **need** to submit the report before the deadline to avoid penalties.*

S4. Ans. (c)
Sol. The phrase **"is use"** is incorrect. The correct form is **"is used"** – the past participle is needed after **"is"** in passive constructions or expressions like **"be used to."**
Rule: The correct form of **"be used to"** is **be (is/are/was, etc.) + used + to + gerund/noun** to express being accustomed to something.
Correction: *She was hard to convince as she **is used** to having her opinions valued.*

S5. Ans. (a)
Sol. The phrase **"has being"** is incorrect. The correct form for the **present perfect continuous tense** is **"has been"**, not "has being." "Being" is not used as an auxiliary in this tense.
Rule: Present perfect continuous is formed using **has/have been + present participle (verb + ing).**
Correction: *She **has been** working tirelessly on the project for the past two weeks.*

S6. Ans. (d)
Sol. The phrase **"by end of the week"** is incorrect. An **article** is required before a singular, countable noun like "end." The correct phrase is **"by the end of the week."**
Rule: Use the **definite article "the"** before expressions like "end of the day/week/month/year."
Correction: *The manager said that he will review all the applications **by the end of the week.***

S7. Ans. (c)
Sol. In sentences with **"neither...nor..."**, the verb agrees with the **nearest subject**. Here, "students" is plural and comes closest to the verb, so the verb should be **"were,"** not "was."
Rule: When using **"neither...nor"**, the verb should agree with the **subject closest to it**.
Correction: *Neither the teacher nor the students **were** aware of the sudden schedule change.*

S8. Ans. (c)
Sol. Correct Option: (c) The design was intricate and consistent, reflecting care and expert craftsmanship.

- **(a) Incorrect:** The passage clearly states that Sayer Daheir avoided modern technology and remained loyal to traditional methods; no imported machinery is mentioned.
- **(b) Incorrect:** Though metal nameplates were later introduced, the visitors' admiration is described in the context of the delicate strokes of the pages, not modern metallic covers.
- **(c) Correct:** The passage notes that "every page that left his workshop carried such precision that visitors often felt… there seems no mistake in the delicate strokes of his work," which directly highlights the expert craftsmanship and meticulous design.
- **(d) Incorrect:** There is no mention of endorsements by famous artists.
- **(e) Incorrect:** The press is celebrated for its artisanal, not mass-produced, work; accuracy came from human skill, not batch production.

S9. Ans. (b)
Sol. Correct Option: (b) The family preserved traditional values while adding unique personal touches.

- **(a) Incorrect:** The passage does not mention financial decline or competitive pressure; the transition was a natural handing over of the legacy.

- **(b) Correct:** In 1999, Sayer's children and siblings "took possession of the company… determined to guard the original techniques their ancestor had loved," and they "even enriched it by offering metal nameplates to customise each piece," showing both preservation and gentle innovation.
- **(c) Incorrect:** There is no mention of a move to digital methods; they continued the old art of binding.
- **(d) Incorrect:** The business retained its original character; the tradition thrives generations later.
- **(e) Incorrect:** The passage specifies that Sayer's children and siblings took over; no outsiders were involved.

S10. Ans. (d)
Sol. (d) Both A and C
- **(A) Correct:** The passage clearly states, "Hadiya, Sayer's fourth-generation niece, now works beside her elders and adds her own quiet strength to the family's work," confirming that she is the latest generation contributing to the heritage.
- **(B) Incorrect:** There is no mention of the workshop being sold or rebranded; it remained in the family's possession.
- **(C) Correct:** The heirs "enriched it by offering metal nameplates to customise each piece, which gave every book an identity of its own," showing the purpose was to add uniqueness.

Thus, **both A and C** are correct while B is not.

S11. Ans. (a)
Sol.
- **(A) Correct:** The passage states that "Sayer Daheir began a modest printing press many decades ago, choosing to begin his venture with a deep respect for the traditional arts of printing and book binding."
- **(B) Incorrect:** There is no reference to Sayer being the only child; in fact, his children and siblings are mentioned later.
- **(C) Incorrect:** The text never mentions any government funding; the press continues through family effort and tradition.

Therefore, **only statement A is correct**.

S12. Ans. (b)
Sol. Correct Option: (b) A living museum showcasing timeless artistry
- **(a) Incorrect:** The passage highlights that the press remains loyal to traditional methods and avoids modern technology, so it is not a high-tech global competitor.
- **(b) Correct:** It states that "the entire workshop seems to look like a living museum where every corner appears to hold stories of timeless artistry," which precisely captures the present state.
- **(c) Incorrect:** There is no mention of financial decline or losses.
- **(d) Incorrect:** The press is still a family-run venture, not a government heritage site.
- **(e) Incorrect:** The passage does not indicate that the press functions as a training school for modern printing techniques.

S13. Ans. (b)
Sol. Correct Option: (b) The quiet charm and timeless artistry preserved across generations
- **(a) Incorrect:** The passage clearly states that Sayer Daheir and his heirs avoided modern technology; there is no mention of state-of-the-art machines.
- **(b) Correct:** The workshop "seems to look like a living museum where every corner appears to hold stories of timeless artistry," showing that visitors are attracted to its enduring beauty and preserved tradition.
- **(c) Incorrect:** No reference is made to low printing rates.
- **(d) Incorrect:** There is no mention of government-sponsored art exhibitions.
- **(e) Incorrect:** The passage does not mention modern e-books being available.

S14. Ans. (d)
Sol. Correct Option: (d) took possession of
- **(a) handed back – Incorrect:** There is no mention of returning the company to someone else.
- **(b) lost control of – Incorrect:** The family gained control, not lost it.
- **(c) in addition to – Incorrect:** Grammatically and contextually unsuitable; it does not convey taking ownership.
- **(d) took possession of – Correct:** The passage explicitly states that in 1999 the children and siblings "took possession of the company," meaning they formally assumed ownership.
- **(e) modernised the techniques – Incorrect:** They preserved the traditional methods rather than modernising them.

S15. Ans. (a)
Sol. (a) **appear**

English meaning: to seem or give the impression of being something
Hindi meaning: प्रतीत होना, दिखना
English example: She appears confident even when she feels nervous.
(b) **watch**
English meaning: to look at someone or something carefully for a period of time
Hindi meaning: देखना, निगरानी करना
English example: We watched the children play in the park.
(c) **search**
English meaning: to try to find someone or something by looking carefully
Hindi meaning: खोज करना
English example: He searched the room for his lost keys.
(d) **glance**
English meaning: to look quickly or briefly
Hindi meaning: झलक देखना, एक नजर डालना
English example: She glanced at the clock before leaving.
(e) **observe**
English meaning: to notice or watch something carefully
Hindi meaning: अवलोकन करना, देखना
English example: The scientist observed the stars through the telescope.
Correct Option: (a) appear
Here, "look" in the passage means "to seem" or "to appear," not to watch or observe.

S16. Ans. (c)
Sol. (a) **start**
English meaning: to commence or set something in motion
Hindi meaning: शुरू करना
English example: They will start the discussion at 5 p.m.
(b) **initiate**
English meaning: to cause something to begin
Hindi meaning: आरंभ करना
English example: She initiated a new health awareness campaign.
(c) **cease**
English meaning: to stop or bring something to an end
Hindi meaning: रोकना, समाप्त करना
English example: The heavy rain finally ceased after midnight.
(d) **trivial**
English meaning: of little value or importance
Hindi meaning: तुच्छ, महत्वहीन
English example: He ignored the trivial details and focused on the main issue.
(e) **reduce**
English meaning: to make something smaller or less in quantity or amount
Hindi meaning: घटाना, कम करना
English example: They reduced the price to boost sales.
Correct Option: (c) cease
"Begin" means to start; the direct opposite is "cease," which means to stop or end.

S17. Ans. (e)
Sol. (a) **located**
English meaning: to find the position or place of something
Hindi meaning: ढूँढना, पता लगाना
English example: She located her missing phone in the living room.
(b) **monitored**
English meaning: to watch or check something carefully over a period of time
Hindi meaning: निगरानी करना
English example: The doctor monitored the patient's recovery.

(c) **required**
English meaning: to need or make so y

Hindi meaning: आवश्यकता होना
English example: The task required careful planning.
(d) **gave**
English meaning: to hand over or present something to someone
Hindi meaning: देना
English example: He gave his sister a beautiful gift.
(e) **purchased**
English meaning: to buy or acquire something in exchange for money
Hindi meaning: खरीदना
English example: She purchased a new dress from the market.
Correct Option: (e) purchased
In the phrase "took a treasure," the word "took" carries the sense of **obtaining or gaining possession of something valuable**.

S18. Ans. (d)
Sol. C-E: She took the antiseptic from the bottle and put it on the cotton ball.
A-F: The old clock in the hallway chimed softly at midnight.
B-D: The child's laughter echoed through the empty playground.
Other options fail to pair all three phrases correctly. Therefore, **option (d)** is the best choice.

S19. Ans. (d)
Sol. The idiom **"growing up"** means *during the years of childhood*, which suits the sentence as it talks about Maria's early years.
Meanings of all options:

- rising: increasing in height or level. Hindi meaning: बढ़ता हुआ. Example: The rising sun brightened the sky.
- lifting: raising something to a higher position. Hindi meaning: उठाना. Example: She is lifting the heavy bag carefully.
- increasing: becoming larger in number or amount. Hindi meaning: बढ़ता हुआ. Example: The company is increasing its production capacity.
- growing: developing or maturing over time. Hindi meaning: बढ़ता हुआ, बढ़ना. Example: Growing up, she enjoyed reading storybooks.
- elevating: raising to a higher level or position. Hindi meaning: ऊँचा करना. Example: Good music is elevating for the mind.

S20. Ans. (b)
Sol. *Emerge* means *to come out or become visible*, which perfectly describes the shoots appearing from the soil.
Meanings of all options:

- appearing: becoming visible or coming into view. Hindi meaning: प्रकट होना. Example: The stars are appearing in the night sky.
- emerge: come into view, become visible. Hindi meaning: प्रकट होना. Example: A butterfly will emerge from the cocoon.
- show: to display or present something. Hindi meaning: दिखाना. Example: Please show me your homework.
- detain: to keep someone in official custody. Hindi meaning: हिरासत में लेना. Example: The police detained the suspect.
- reflect: to bounce back light or show an image. Hindi meaning: प्रतिबिंबित करना. Example: The lake reflects the mountains beautifully.

S21. Ans. (c)
Sol. *Nurturing plants* means *caring for plants lovingly and encouraging their growth*, which fits the context perfectly.
Meanings of all options:

- selecting: choosing something carefully. Hindi meaning: चुनना. Example: He is selecting a gift for his friend.
- detaching: separating or removing something. Hindi meaning: अलग करना. Example: Detaching the sticker was difficult.
- nurturing: caring for and encouraging growth. Hindi meaning: पोषण करना, देखभाल करना. Example: Teachers are important for nurturing young minds.

- sprinkling: scattering small drops or particles. Hindi meaning: छिड़कना. Example: She is sprinkling water on the plants.
- feeding: giving food to someone or something. Hindi meaning: खिलाना. Example: The mother is feeding her baby.

S22. Ans. (b)
Sol. *Littering* means *throwing waste carelessly*, exactly what the sentence describes.
Meanings of all options:
- decorating: making something look attractive. Hindi meaning: सजाना. Example: She is decorating her house for the festival.
- littering: throwing garbage in public places. Hindi meaning: कचरा फैलाना. Example: Littering the streets is an offence.
- spreading: causing something to cover a wider area. Hindi meaning: फैलाना. Example: The news is spreading quickly.
- showing: displaying something so it can be seen. Hindi meaning: दिखाना. Example: He is showing his artwork to his classmates.
- covering: putting something over or on top. Hindi meaning: ढकना. Example: She is covering the table with a cloth.

S23. Ans. (e)
Sol. *Realized* means *to become aware of or understand a fact*, which perfectly fits Maria's understanding that her garden alone was not enough.
Meanings of all options:
- imagined: formed a picture or idea in the mind. Hindi meaning: कल्पना करना. Example: She imagined a world full of peace.
- supposed: assumed or believed. Hindi meaning: मान लेना. Example: We supposed he would arrive on time.
- considered: thought about carefully. Hindi meaning: विचार करना. Example: They considered buying a new house.
- rendered: caused to become or made. Hindi meaning: बनाना, प्रस्तुत करना. Example: The heavy rain rendered the roads impassable.
- realized: became aware of or understood clearly. Hindi meaning: समझना, एहसास होना. Example: She realized her mistake and apologized.

S24. Ans. (a)
Sol. *With the thought of protecting nature* is a natural and grammatically correct phrase showing Maria's intention.
Meanings of all options:
- thought: an idea or opinion produced by thinking. Hindi meaning: विचार. Example: She acted with the thought of helping others.
- scheme: a secret or dishonest plan. Hindi meaning: योजना (नकारात्मक). Example: The police uncovered a dangerous scheme.
- intuitive: based on instinct or immediate understanding. Hindi meaning: सहज ज्ञान युक्त. Example: Her intuitive guess proved right.
- planned: decided in advance. Hindi meaning: योजना बनाई हुई. Example: They planned the event carefully.
- feature: a distinctive attribute or aspect. Hindi meaning: विशेषता. Example: The camera is the best feature of this phone.

S25. Ans. (d)
Sol. Correct sequence: CBA: The **noise** of the **morning** alarm **irritated** her.
Why CBA works
- C ("noise") forms the subject head.
- B ("morning") appropriately modifies "alarm."
- A ("irritated") is the verb before the object "her."

S26. Ans. (b)
Sol. Correct sequence BAC: She was **struck** trying to **climb** and couldn't **figure** out the way.
Why BAC works
- B "struck" correctly follows "was" (passive: was struck).
- A "climb" fits after "trying to" (base form needed).

- C “figure” fits after “couldn’t” (bare infinitive).

S27. Ans. (c)
Sol. Correct sequence: CAB: The **sudden** rain **cooled** the **scorching** afternoon.
Why CAB works
- C “sudden” modifies “rain” to form the subject.
- A “cooled” is the verb.
- B “scorching” modifies “afternoon” as the object.

S28. Ans. (b)
Sol. The verb **"ascend"** means **to go up, rise, or move to a higher position**—either literally or figuratively.
- **(A)** is **incorrect**: “Ascend the conversation” is not a valid or idiomatic use of the word. The intended meaning seems to be "de-escalate" or "calm down," which contradicts the meaning of "ascend."
- **(B)** is **correct**: Profits “ascend” figuratively as they rise or increase.
- **(C)** is **correct**: Hikers literally ascend a mountain trail—this is a classic and accurate use of the word.

S29. Ans. (c)
Sol. Correct sequence: (c) BDACE
His grandmother tells him heroic tales of his grandfather’s role in the freedom movement during the 18th century.
Why BDACE
- B starts the clause with the subject and verb.
- D completes the object: “heroic tales of his grandfather’s role”.
- A + C naturally combine to “in the freedom movement”.
- E adds the time phrase: “during the 18th century”.

S30. Ans. (a)
Sol. Correct sequence: (a) CBEAD
The traveler paused to admire the crimson horizon as the sun slowly dipped behind the rolling hills.
Why CBEAD works
- C introduces the subject and action.
- B gives the purpose.
- E sets the time clause.
- A supplies the verb of that clause.
- D completes the place.

S31. Ans. (a)
Sol.
$\text{Required answer} = \frac{20+32}{40} \times 100 = 130\%$

S32. Ans. (c)
Sol. Required answer = 24 – 20 = 4

S33. Ans. (d)
Sol. Required answer = 32+26: 24 = 58:24 =29:12

S34. Ans. (e)
Sol. Visitors visited in F = 120% of 40 = 48
Required answer = 48 – 24 = 24

S35. Ans. (e)
Sol. Visitors visited in A on Wednesday = 25 × 2 – 20 = 30

S36. Ans. (a)
Sol.
Required answer = 20 : 36 = 5:9

S37. Ans. (c)

Sol. Required average $= \frac{20+30}{2} = 25$

S38. Ans. (e)
Sol. Required answer = 20 + 35+25+30 = 110

S39. Ans. (d)
Sol. Students playing rugby = 20% of 20 = 4
Required answer = 30 – 4 = 26

S40. Ans. (a)
Sol.
Required answer $= \frac{25+30}{25\%\ (24+36)} \times 100 = 366.66\%$

S41. Ans. (b)
Sol. Total males working in all the companies =86
Let males working in A be 100x
So females working in A = 125% of 100x = 125x
Males working in B = 26
Males working in A = 14 + 26 = 40
40 = 100x
0.4 = x
Females working in A = 125x = 50 = females working in C
Females working in B = 46 – 26 = 20
Males working in C = 86 – 40 – 26 = 20

Companies	Males	Females
A	40	50
B	26	20
C	20	50
Total	86	120

Required answer = 86 + 120 = 206

S42. Ans. (e)
Sol. Total males working in all the companies =86
Let males working in A be 100x
So females working in A = 125% of 100x = 125x
Males working in B = 26
Males working in A = 14 + 26 = 40
40 = 100x
0.4 = x
Females working in A = 125x = 50 = females working in C
Females working in B = 46 – 26 = 20
Males working in C = 86 – 40 – 26 = 20

Companies	Males	Females
A	40	50
B	26	20
C	20	50
Total	86	120

Required answer $= \frac{40-20}{20} \times 100 = 100\%$

S43. Ans. (b)
Sol. Total males working in all the companies =86
Let males working in A be 100x
So females working in A = 125% of 100x = 125x
Males working in B = 26
Males working in A = 14 + 26 = 40
40 = 100x
0.4 = x

Females working in A = 125x = 50 = females working in C
Females working in B = 46 – 26 = 20
Males working in C = 86 – 40 – 26 = 20

Companies	Males	Females
A	40	50
B	26	20
C	20	50
Total	86	120

Total employees in C = 70
Let managers and associates be 2x and 5x respectively.
2x + 5x = 70
10 = x
Managers = 20
Associates = 5x = 50
Male associates = 50 – 35=15
Males manager = 20 – 15 = 5

S44. Ans. (b)
Sol. Total males working in all the companies =86
Let males working in A be 100x
So females working in A = 125% of 100x = 125x
Males working in B = 26
Males working in A = 14 + 26 = 40
40 = 100x
0.4 = x
Females working in A = 125x = 50 = females working in C
Females working in B = 46 – 26 = 20
Males working in C = 86 – 40 – 26 = 20

Companies	Males	Females
A	40	50
B	26	20
C	20	50
Total	86	120

Required ratio = 20 + 50 : 26 = 70 : 26 = 35 : 13

S45. Ans. (a)
Sol. Total males working in all the companies =86
Let males working in A be 100x
So females working in A = 125% of 100x = 125x
Males working in B = 26
Males working in A = 14 + 26 = 40
40 = 100x
0.4 = x
Females working in A = 125x = 50 = females working in C
Females working in B = 46 – 26 = 20
Males working in C = 86 – 40 – 26 = 20

Companies	Males	Females
A	40	50
B	26	20
C	20	50
Total	86	120

Required answer $= \frac{(50+40)+(26+20)}{2} = 68$

S46. Ans (b)
Sol. Let the length and breadth of the rectangle be 5x and 3x respectively.
Given,
$\frac{96}{2} = 2(5x + 3x)$

48 = 16x
3 = x
The length and breadth of the rectangle be 15 cm and 9 cm respectively.
Required area = 15 × 9 = 135 sq. cm

S47. Ans (a)
Sol.
The speed of the boat in still water = 16/2 = 8 km/hr
Required time = $\frac{60}{8} = 7.5$ hours

S48. Ans (e)
Sol.
The speed of bike = 150/5 = 30 km/hr.
Speed of car = $30 \times \frac{4}{5} = 24$ km/hr.

S49. Ans (c)
Sol.
Interest received from scheme X = $3000 \times \frac{6}{100} \times 9 =$ Rs 1620
Interest received from scheme Y = $P \times \frac{12}{100} \times 6 = \frac{72P}{100}$
ATQ,
$\frac{72P}{100} - 1620 = 1260$
$\frac{72P}{100} = 2880$
P = 4000

S50. Ans (c)
Sol. Let the capacity of the tank (LCM of 8, 12 and 24) = 24 units
Efficiency of pipe P = 24/8 = 3 units/hour
Efficiency of pipe Q = 24/12 = 2 units/hour
Efficiency of pipe R = 24/24 = 1 units/hour
Required time = $\frac{24}{3+2+1} = 4$ hours

S51. Ans (e)
Sol.
Quantity of water = $150 \times \frac{30}{100} = 45$ liters
Quantity of milk = 150 – 45 = 105 liters
Ratio of milk to water = 105 : 45 = 7 : 3
ATQ,
$\frac{105-40\times\frac{7}{10}}{45-40\times\frac{3}{10}+y} = \frac{11}{6}$
$\frac{77}{33+y} = \frac{11}{6}$
42 = 33 + y
9 = y

S52. Ans (a)
Sol.
ATQ,
$\frac{9000 \times 12}{6000 \times Y} = \frac{4500 - 1500}{1500}$
$\frac{18}{Y} = \frac{2}{1}$
Y = 9

S53. Ans (c)
Sol. Let the present age of Aman be X years
The present age of Sohan = X + 8 years
And
The present age of Rohan = X + 8 + 4 = X + 12 years
ATQ,
$\frac{X}{X+12} = \frac{3}{5}$
5X = 3X + 36
2X = 36
X =18
Required age = X + 12 + 6 = X + 18
= 18 + 18 = 36 years

S54. Ans (c)
Sol. Let cost price = X.
Selling Price at 20% profit = 1.2×X
Selling Price at 30% profit = 1.3×X
1.3X – 1.2X = 240
X = 2400

S55. Ans (e)
Sol. Total work (LCM of 15 and 20) = 60 units
Efficiency of A = 60/15 = 4 units/day
Efficiency of B = 60/20 = 3 units/day
Amount of work done by A and B together in 4 days = 4 × (4 + 3) = 28 units
$\text{Required days} = \frac{(60-28)}{4} = 8 \text{ days}$

S56. Ans (e)
Sol. 14^2 + 185÷37= ? -13
196 + 5 + 13 = ?
214 = ?

S57. Ans (a)
Sol. √256 + 340÷34+39 = 16 +? + 13
16 + 10 + 39 = 29 + ?
36 = ?

S58. Ans (c)
Sol. 5 ×14 – 246 + ?=58
? = 58 + 246 – 70
? = 234

S59. Ans (c)
Sol. 3333 ÷11+150 ÷ 10 = 10+ ?
303 + 15 – 10 = ?
308 = ?

S60. Ans (e)
Sol. 4500 ÷ 45 + 332 + 23 = ?
100 + 355 = ?
455 =?

S61. Ans (a)
Sol. 7^3 + 4524 + 19% of 600 = ? – 2/5 of 450
343 + 4524 + 114 = ? – 180
5161 = ?

S62. Ans (b)
Sol. 45^2 + 3455 – 12% of 8900 = ?
2025 + 3455 – 1068 = ?
4412 = ?

S63. Ans (e)
Sol.
$304 \div \left(\frac{1}{49}\right) = ? - 225$
$304 \times 49 = ? - 225$
$15121 = ?$

S64. Ans (a)
Sol. 5456 + 4563- 1344 – 4244 = ?
4431 = ?

S65. Ans (b)
Sol.
$\sqrt[3]{6859} \times 4 + 25\%\ of\ 240 = ?$
$76 + 60 = ?$
$136 = ?$

S66. Ans. (d)
Sol.

Floors	Persons
8	D
7	C
6	A
5	E
4	B
3	F
2	G
1	H

S67. Ans. (c)
Sol.

Floors	Persons
8	D
7	C
6	A
5	E
4	B
3	F
2	G
1	H

S68. Ans. (c)
Sol.

Floors	Persons
8	D
7	C
6	A
5	E
4	B
3	F
2	G
1	H

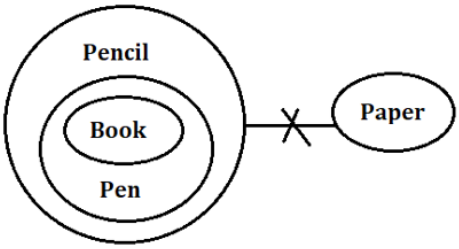
S69. Ans. (b)
Sol.

Floors	Persons
8	D
7	C
6	A
5	E
4	B
3	F
2	G
1	H

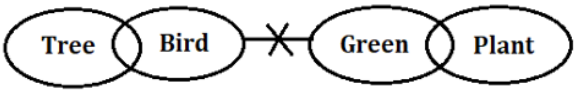
S70. Ans. (a)
Sol.

Floors	Persons
8	D
7	C
6	A
5	E
4	B
3	F
2	G
1	H

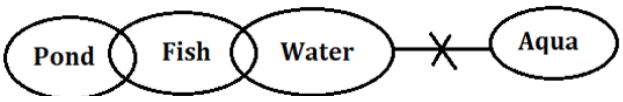
S71. Ans. (e)
Sol.



S72. Ans. (c)
Sol.



S73. Ans. (d)
Sol.

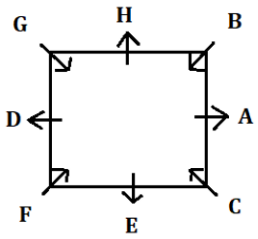


S74. Ans. (a)
Sol.

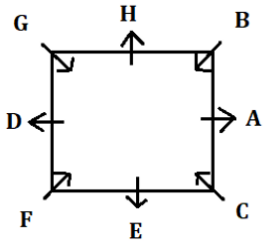
S75. Ans. (b)

S76. Ans. (c)
S77. Ans. (a)
S78. Ans. (a)
S79. Ans. (d)

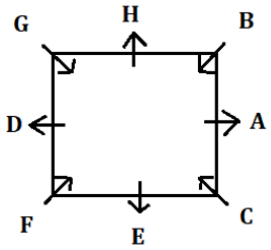
S80. Ans. (a)
Sol.



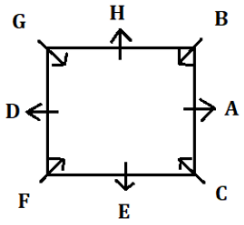
S81. Ans. (d)
Sol.



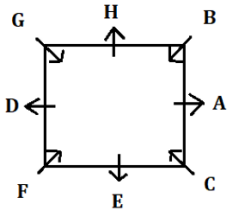
S82. Ans. (e)
Sol.



S83. Ans. (c)
Sol.

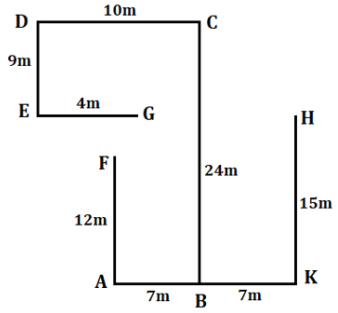


S84. Ans. (e)
Sol.

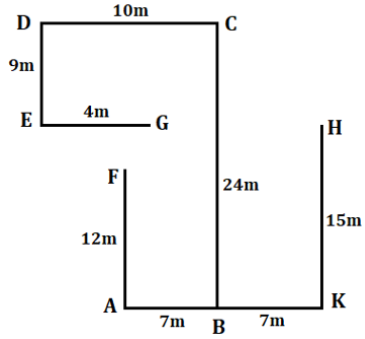


S85. Ans. (d)

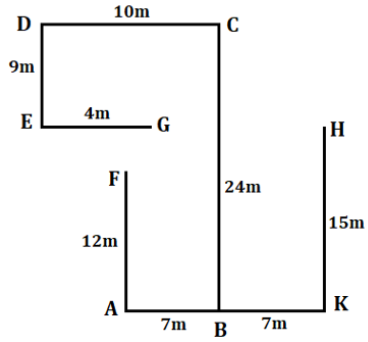
S86. Ans. (b)
Sol.



S87. Ans. (e)
Sol.



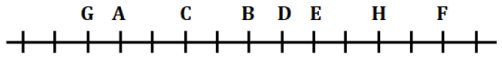
S88. Ans. (b)
Sol.



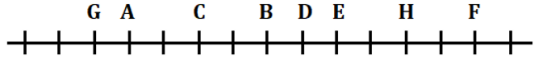
S89. Ans. (b)
S90. Ans. (d)
S91. Ans. (a)

S92. Ans. (c)
Sol. BORE, ROBE

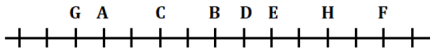
S93. Ans. (d)
Sol.



S94. Ans. (b)
Sol.



S95. Ans. (e)
Sol.



S96. Ans. (c)
Sol.

Box
A
H
B
G
E
D
F
C

S97. Ans. (a)
Sol.

Box
A
H
B
G
E
D
F
C

S98. Ans. (b)
Sol.

Box
A
H
B
G
E
D
F
C

S99. Ans. (c)
Sol.

Box
A
H
B
G
E
D
F
C

S100. Ans. (d)
Sol.

Box
A
H
B
G
E
D
F
C