

SBI Clerk Pre 2025 Memory Based Paper Based on 20th Sep 2nd Shift

Directions (1-5): Rearrange the following sentence to form a meaningful paragraph.

- (A) Many merchants are pleased as the steady flow of visitors leads to higher profits.
(B) However, not everyone shares this excitement because the constant rush creates chaos and congestion.
(C) Tokyo attracts shoppers from across the globe, making it one of the most vibrant shopping destinations.
(D) Consequently, Tokyo's bustling shopping scene presents both promising opportunities and serious challenges.
(E) Local brands in particular struggle to compete with the dominance of international labels.

Q1. Which of the following is the FIRST sentence after the rearrangement?

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

Q2. Which of the following is the SECOND sentence after the rearrangement?

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

Q3. Which of the following is the THIRD sentence after the rearrangement?

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

Q4. Which of the following is the FOURTH sentence after the rearrangement?

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

Q5. Which of the following statement is the FIFTH sentence after the rearrangement?

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

Directions (6-14): Read the following passage and answer the given questions.

In a small village that often struggled with a shortage of water, the everyday life of the people was filled with challenges. During the summer months, the scarcity of water became severe, and every drop counted. The villagers depended on a common water tank, but many times, the motor pumping the water was left running for too long. As a result, the tank overflowed, wasting not only water but also electricity. It was during such a time of need that the village

leader, Akshara, took the initiative to find a solution. After her dedication and hard work, she came up with a plan to change.

As the village grew, the need for better infrastructure became a reality. The growth and development of the village had led to an increase in the population. Hence, the roads were not well-maintained, and the public transport system was not organized, and the villagers often faced difficulties. They realized that they needed to take the most urgent steps to address these issues. The village already facing these challenges decided to continue.

Determined to make a difference, Akshara decided to make use of modern technology. She consulted with local experts and learned that solar-powered systems were not only eco-friendly but also simple to maintain. She decided to implement an innovative solution. The system involved fitting solar panels on the roof of the water tank, connected to a motor. The villagers were informed about the phones as soon as the system was installed.

The water tank was now at the top of the hill. The villagers were given a clear message through a solar-powered system. The message was displayed on the screen of the mobile phones. The villagers could receive the message immediately and could turn off the motor without the need for electricity. The system saved a lot of water and electricity every day.

The villagers were very happy with the solution. The water stored and the electricity bills also reduced. The message system became a habit for everyone. People began to check their phones regularly, and even children reminded the elders to turn off the motor when the message arrived, **leading** to a significant saving of both water and electricity in the village.

This example of using technology for a common good quickly _____ attention in nearby areas. Akshara's bold **move** proved that even a simple idea can create a strong impact. By introducing this method, she not only saved water but also inspired the entire village to value and protect their natural resources for the future.

Q6. Which of the following best captures the *primary reason* Akshara decided to introduce technology in the village?

- (a) To reduce the rising electricity bills caused by the motor.
- (b) To inspire children to be more responsible about checking their phones.
- (c) To prevent the continuous overflow of water despite a common water tank.
- (d) To attract the attention of nearby areas by becoming a model village.
- (e) To modernize farming techniques in the village.

Q7. According to the passage which of the following statement(s) are false?

- (A) Akshara's project led to a change in the village's daily habits.
- (B) The village's development has been hindered by the project.
- (C) Children play for hours and get off on time.
- (a) Only B
- (b) Both B and C
- (c) Only C
- (d) Both A and B
- (e) All A, B, C

Q8. According to the passage, which of the following contributed to the success of the water-saving project?

- (a) Installation of a common water tank.
- (b) Previous irrigation projects in the village.
- (c) Government subsidies for the project.
- (d) Children's responsibility in using the tank.
- (e) Seasonal rainfall in the village.

Q9. Why can the village's mobile phone usage be seen as a significant development?

- (a) It shows the village's dependence on mobile entertainment.
- (b) It reflects the village's progress in technology conservation.
- (c) It indicates the village's shift towards digital communication.
- (d) It proves the village's ability to adapt to modern technology.
- (e) It demonstrates the village's growing economic stability.

Q10. Which of the following is TRUE according to the passage?

- (A) Children independently managed the motor operations.
- (B) The message system was funded by the state government.
- (C) Akshara's previous projects included upgrading farming techniques.
- (a) Only B
- (b) Both B and C
- (c) Only C
- (d) Both A and B
- (e) All A, B, C

Q11. How did the neighbouring areas respond to the success of Akshara's project?

- (a) They approached the village authorities for technical details, hoping to replicate the idea in their own areas.
- (b) They requested government intervention to fund a new network of water tanks across the district.
- (c) They admired the innovation and were motivated to try a similar water-saving method in their own villages.
- (d) They complained that Akshara's plan increased competition for limited government resources.
- (e) They visited the village only to study the mobile technology but made no plans to implement it themselves.

fill the given

e in meaning

e in meaning

Directions (15-19): 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.

Q15. He checked the settings again to prevent another system _____.

- (a) break
- (b) update
- (c) crash
- (d) click
- (e) login

Q16. Despite the warning signs, the company continued its risky financial _____.

- (a) borrow
- (b) expand
- (c) return
- (d) venture
- (e) balance

Q17. The company _____ further _____.

- (a) assertion
- (b) revision
- (c) mention
- (d) division
- (e) collection

Q18. The researchers _____ the existing scientific _____.

- (a) forums
- (b) context
- (c) framework
- (d) dispute
- (e) featured

Q19. The software update resolved the bug without _____ affecting system _____.

- (a) protocol
- (b) operational
- (c) excess
- (d) integrity
- (e) liable

Directions (20-24): The sentence is divided into four segments: (A), (B), (C), and (D). Identify the segment that contains a grammatical error. If the sentence is both grammatically and contextually correct, select "No error" as the correct answer.

Q20. The tourists was informed (A)/ that the ferry service (B)/ would resume operation (C)/ after the storm passed. (D)

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

Q21. He described the plan (A)/ as both effective (B)/ and was easy to implement (C)/ within the current budget. (D)

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

Q22. She took the wrong train (A)/ and ended up in (B)/ an unfamiliar station (C)/ she had never been in before. (D)

- (a) A

Q23. The committee spotted (B)/ the error in the report (C)/ after several days. (D)

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

Q24. The government has decided (A)/ that they can (B)/ perform (C)/ the regional (D)

- (a) A

Q25. Himachal Pradesh improve (A) mobile use in government (B) schools to banned (C) focus and well-being. (D)

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

Directions (26-30): In the question, a sentence is given with four words that are underlined. Identify the underlined words that are grammatically and contextually correct. If the sentence is both grammatically and contextually correct, select "No error" as the correct answer.

Q26. The government has decided (A) to (B) perform (C) the regional (D) development project.

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

Q26. Karnataka **launched (A)** the Deepika Scholarship, **higher (B)** ₹30,000 yearly to 37,000 schoolgirls in **giving (C)** education.

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

Q27. Gurgaon's Ward 22 is **composting (A)** a zero-waste model with **becoming (B)**, segregation, and **community (C)** efforts.

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

Q28. A word has been used incorrectly in the sentences. Choose the word that has been used in the correct manner.

- (A) The heavy rain fell on the farmers who were hoping for a good harvest.
- (B) After stepping on the landmine, the soldier's fate was sealed.
- (C) She gave birth to a healthy baby after a long and difficult pregnancy.
- (D) The heavy rain fell on the farmers who were hoping for a good harvest.

Directions (29-30): Read the sentences and choose the correct alternative for the highlighted part to make the sentence grammatically correct.

Q29. The manager instructed the staff **to took care of all** client requests promptly and efficiently.

- (a) to take care of all
- (b) for taking care of all
- (c) to taking care of all
- (d) to takes care of all
- (e) No improvement required

Q30. The students were excited **for attend the workshop** on artificial intelligence applications.

- (a) with attending the workshop
- (b) to attend the workshop
- (c) to attending the workshop
- (d) in attend the workshop
- (e) No improvement required

Directions (31-35): The table given below shows the cheesecake sold by two shops A and B in three different days (Monday, Sunday and Saturday).

Day	A	B
Saturday	125	225

Q31. Find the average cheesecake sold by B on Monday and Sunday.

- (a) 100
- (b) 150
- (c) 200
- (d) 250
- (e) 300

Q32. Find the difference between the total cheesecake sold by A on Saturday and B on Saturday.

- (a) 10:11
- (b) 11:12
- (c) 12:13
- (d) 13:14
- (e) 14:15

Q33. The average of cheesecake sold by A on Monday and Sunday is 200. Find the difference between the total cheesecake sold by A on Monday and Sunday.

- (a) 100
- (b) 200
- (c) 300
- (d) 400
- (e) 500

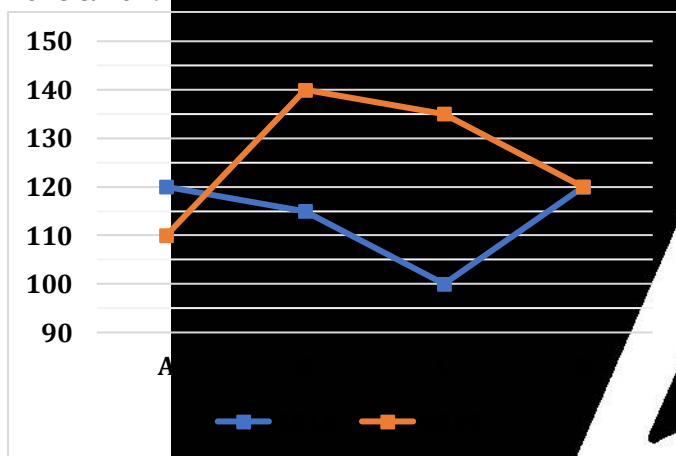
Q34. Find the average cheesecake sold by B on Saturday and A on Sunday.

- (a) 100
- (b) 350
- (c) 150
- (d) 250
- (e) 180

Q35. If A made 700 cheesecakes (sold + unsold) on all the given days. Find the unsold cheesecake of A is how many less than cheesecakes sold by B on Saturday and Sunday.

- (a) 400
- (b) 480
- (c) 150
- (d) 360
- (e) 380

Directions (36-40): The line graph show the total number of students (girls + boys) in two different years 2018 & 2019.



Q36. Find the ratio of the total number of students in A to 2019.

- (a) 100:101
- (b) 91:101
- (c) 50:51
- (d) 120:121
- (e) 80:81

Q37. Find the average number of students in both the years in school A. What percent of the total number of students in both the years is this average?

- (a) 100.5
- (b) 100.25
- (c) 112.5
- (d) 120.25
- (e) 180.125

Q38. The average number of students in A in the year 2018, 2019 & 2020 is 120. Find the total students in A in the year 2020.

- (a) 100
- (b) 120
- (c) 150
- (d) 130
- (e) 80

Q39. In school E, total students in 2019 and 2018 together are 165 more than that of C. The ratio of students in 2019 to 2018 is 3:2, find the difference between students in 2019 and 2018 in E.

- (a) 100
- (b) 90
- (c) 50
- (d) 120
- (e) 80

Q40. If the ratio of girl to boys in school D in the year 2018 is 1:3, Then find the boys in school D in the year 2018.

- (a) 100

Q41. Find the difference between the number of students in A and B in the year 2019.

- (a) 16
- (b) 8

Q42. Find the difference between the quantity of milk in both the vessels.

- (a) 10

Directions (43-44): Sunita spends 65% of his monthly salary on rent, grocery and food in the ratio of 3 : 1 : 1 respectively. Out of remaining she invest 50% in mutual fund and rest she saves. The difference between saving and amount spend by Sunita on food is Rs. 900.

Q43. Find the salary of Sunita (in Rs.)?

- (a) 10000
- (b) 20000
- (c) 15000
- (d) 12000
- (e) 80000

Q44. Find the difference between amount invested in mutual fund and amount spend on rent (in Rs.)?

- (a) 4100
- (b) 4200
- (c) 4300
- (d) 4400
- (e) 4800

Q45. A and B started a business with investment of Rs. 2000 and Rs. 6000 respectively. A invested for two more months than B. At the end of business, the total profit is Rs. 6600 and the profit share of A is Rs. 1800. Find for how many months B invested?

- (a) 16
- (b) 14
- (c) 22
- (d) 18
- (e) 24

Q46. 8 men can do the same work as 12 women. If 12 men and 12 women do the same work, then find the ratio of the time taken by them to complete the work.

- (a) 2
- (b) 8
- (c) 6
- (d) 4
- (e) 3

Q47. The ratio of the speed of a boat to the speed of the stream is 11 : 1. If the boat covers a distance of 110 km downstream in 1 hour, then find the time taken by the boat to cover the same distance upstream.

- (a) 3
- (b) 12
- (c) 9
- (d) 8
- (e) 6

Q48. The side of a square is equal to breadth of a rectangle and the perimeter of the square is 48 cm. If area of the rectangle is 216 cm square, then find the length of the rectangle (in cm)?

- (a) 20
- (b) 15
- (c) 16
- (d) 18
- (e) 24

Q49. The ratio of age of X ten years ago to Y six years ago 2 : 3. The ratio of age of X four years hence to Y six years hence will be 5 : 6. Find the difference between present age of X and Y (in years)?

- (a) 8
- (b) 6
- (c) 3
- (d) 4
- (e) 2

Q50. A shopkeeper marked up an article is 50% above cost price. The shopkeeper allows a discount of Rs. 360 and difference between profit and cost price is Rs. 960. Find the cost price of the article.

Q51. The ratio of the number of boys to the number of girls in a school is 4 : 5. If 120 boys and 120 girls are added to the school, then the ratio of the number of boys to the number of girls is 5 : 6. Find the number of boys in the school.

- (a) 150
- (b) 3 : 4
- (c) 7 : 9
- (d) 9 : 11

Q52. A man invests Rs. 2000 in a bank at the rate of 10% p.a. for five years. Find the simple interest earned by him.

- (d) Rs.4000
- (e) Rs.3260

Q53. The average of four consecutive odd numbers is 10 and average of four consecutive even number is 21. Find the sum of largest odd number and the smallest even number?

- (a) 37
- (b) 35
- (c) 33
- (d) 31
- (e) 29

Q54. A man goes to the gym with an average speed of 20 km/hr and return with an average speed of 30 km/hr. Find the average speed of entire journey?

- (a) 24 km/hr
- (b) 18 km/hr
- (c) 20 km/hr
- (d) 16 km/hr
- (e) 28 km/hr

Q55. In 128 liters of pure milk, 40 liters of water is mixed and 25% of the mixture is taken out. When 'x' liters of water are added again, then ratio of milk to water becomes 2 : 1 of resulting mixture. Find value of 'x'?

- (a) 20
- (b) 16
- (c) 24
- (d) 12
- (e) 18

Directions (5)
question mark

Q56. 12.5×80

- (a) 1000
- (b) 900
- (c) 2300
- (d) 600
- (e) 1300

Q57. $11075 \div 5$

- (a) 2213
- (b) 2226
- (c) 2224
- (d) 2227
- (e) 2729

Q58. $? + \sqrt{324} + \sqrt{361} = 290 \div 5 + 1000$

- (a) 1400
- (b) 1021
- (c) 1361
- (d) 1484
- (e) 1289

Q59. $1674 \div 27 \times 9 + 18 = ?^2$

- (a) 26
- (b) 23
- (c) 24
- (d) 35
- (e) 19

Q61.

- (a) 103
- (b) 1048
- (c) 1043
- (d) 1037
- (e) 1037

Q62. $1217 + 8 \times 1 - 24 \div 8 \times 9 = ? + 18$

- (a) 7
- (b) 10
- (c) 150
- (d) 370
- (e) 370

- (a) 6.2
- (b) 6.4
- (c) 2.6
- (d) 3.8
- (e) 2.8

Q64. $8.41 + 6.25 + 0.79 = ? - 0.55$

- (a) 17
- (b) 14.9
- (c) 13.9
- (d) 16
- (e) 14.7

Q65. $616 + 472 - 811 + 317 = ? + 576$

- (a) 28
- (b) 16
- (c) 24
- (d) 18
- (e) 14

Directions (66-70): Study the information carefully and answer the questions carefully:

Ten persons sit in two parallel rows five persons in each row. P, Q, R, S and T sit in row 2 and face north. A, B, C, D and E sit in row 1 and face south, but not necessarily in the same order. The one who sits second to the left of D faces S. T sits immediate right of the one who faces S. There is one person between E and D.

Q66. Who among the following is the one who sits opposite to the one who sits second to the left of D?

- (a) R
- (b) Q
- (c) P
- (d) S
- (e) T

Q67. Which of the following is true?

- (a) E, Q
- (b) T, D
- (c) R, E
- (d) B, D
- (e) P, E

Q68. The number of persons sits to the left of D is same as the number of persons sits to the right of E.

- (a) B
- (b) P
- (c) T
- (d) S
- (e) R

Q69. Which of the following statements is true?

- I. E faces Q
- II. A and T sit diagonally opposite to each other.
- III. R sits third to the left of S

- (a) Only I
- (b) Both II and III
- (c) Only III
- (d) Both I and III
- (e) Only II

Q70. 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) D-Q
- (b) B-S
- (c) E-T
- (d) A-R
- (e) P-A

Directions (71-73): In these questions, the relationship between different elements is shown in the statements.

The statements are followed by two conclusions.

Study the conclusions based on the given statements and decide which is/are correct.

Q72. Statement

Conclusion

$Q > V$

If only conclusion I is true

If only conclusion II is true

If both conclusion I and II are true

If neither conclusion I nor II is true

(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 both conclusions I and II are true

(e) If neither conclusion I nor II is true

Q74. Find the odd-one out.

- (a) MPR
- (b) DGJ
- (c) PSU
- (d) SVX
- (e) GJL

Directions (75-79): Study the information carefully and answer the questions carefully:

Seven persons –A, B, C, D, E, F and G– are going to watch a show on different days of the week starting from Monday to Sunday, but not necessarily in the same order. G goes before B but after C. G goes three persons after A. B goes before E. Two persons goes between E and D. C goes after F.

Q75. Who goes to watch the show on Thursday?

- (a) G
- (b) D
- (c) A
- (d) C
- (e) None of these

Q76. How many persons go to watch the show on Friday?

- (a) One
- (b) Two
- (c) Three
- (d) None
- (e) More than three

Q77. Which of the following is true?

- (a) C goes on Tuesday
- (b) D goes immediately after A
- (c) F doesn't go to watch the show
- (d) E goes two days after G
- (e) None is true

Q78. Who among the following goes to watch the show on Saturday?

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

Q79. As many persons go to watch the show before A as after A, who goes to watch the show on Sunday?

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

Directions (80-84): Study the following series carefully and answer the question given below:

8 3 & 7 4 * ^ 6 % 8 5 @ 2 7 1 # 3 9 7 \$ 9 2 ! 6 5 © 8

Q80. Which element is ninth from the left end of third symbol from the right end in the series?

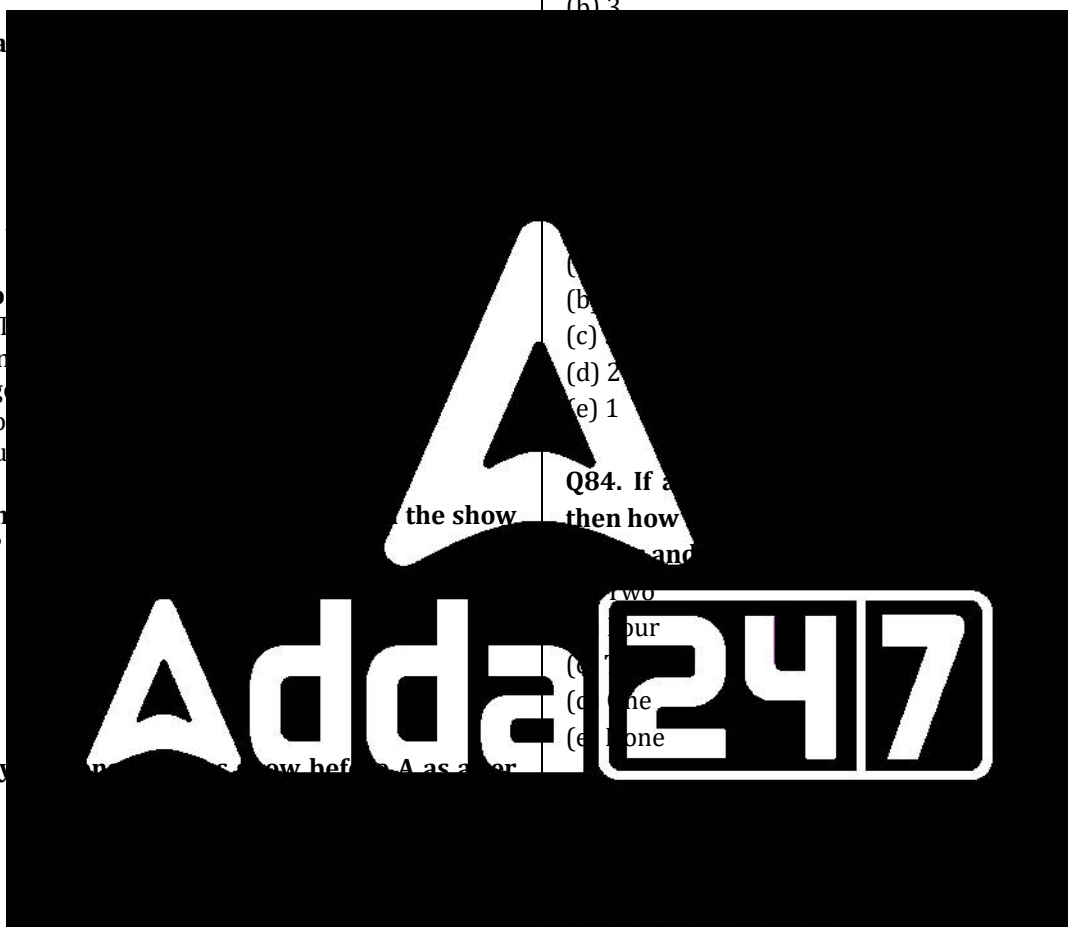
- (a) *
- (b) 5
- (c) %
- (d) 8
- (e) @

Q81. How many symbols are there between the eighth element from the right and the eighth element from the left?

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

Q82. If all even digits are removed, what will be the seventh element from the right end?

- (a) #
- (b) 3



Q84. If a statement is true, then how many of the following statements are true?

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

Directions (85-90): Study the following information carefully and answer the questions given below:

Some conclusions are given below some statements. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Give answer-

- (a) If only conclusion I follows
- (b) If only conclusion II follows
- (c) If either conclusion I or II follows
- (d) If neither conclusion I nor II follows
- (e) If both conclusions I and II follow

Q85. Statements:

Only a few melons are seeds
All seeds are plants
All plants are petal

Conclusions:

- I. All seeds are petal
- II. Some plants are melon

Q86. Statements:

Only a few Apples are Citrus
All Citrus are Oranges
Some Oranges are Lemons

Conclusions:

- I. Some Apples are Oranges
- II. A few lemon

Q87. Stateme

Some Pluto are
No Pluto is Ear
Some Sun are

Conclusions:

- I. No Sun is Ear
- II. Some Skin is

Directions (8
carefully and

Six ropes – A, B, C, D, E, F – are of different lengths, but not necessarily in that order. The length of A is more than the length of B. The length of B is more than the length of C. The length of C is more than the length of D. The length of D is more than the length of E. The length of E is more than the length of F. The length of G is less than D. F's length is less than D. F's length is less than D.

Q88. Which rope is the longest?

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

Q89. What is the possible length of Rope A?

- (a) 62m
- (b) 73m
- (c) 75m
- (d) 65m
- (e) 79m

Q90. How many ropes are shorter than rope D?

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

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

Eight persons – P, Q, R, S, T, U, V, and W – goes to the market one after another (not necessarily in the same order). P goes three persons before T. Two persons goes to the market between T and V. W goes immediately before Q. One person goes between W and R. S goes after R who goes after U.

Q91. If W is related to S and in the same way P is related to T, then R is related to whom?

- (a) W
- (b) S
- (c) V
- (d) Q
- (e) U

Q92. Who goes immediately before T?

- (a) V
- (b) U
- (c) S
- (d) Q
- (e) P

Which of the following statements are false?

- (a) P goes immediately after U.
- (b) R goes immediately after P.
- (c) S goes immediately after P.
- (d) T goes immediately after P.
- (e) All are true.

Q95. How many persons goes to the market between R and S?

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

Q96. If the second, fourth, sixth and eight letters of the word "SUSPICIOUS" are combined to form a meaningful word, what will be the third letter from the right end of the word formed? If more than one such word can be formed, mark the answer as X and if no such word can be formed, mark the answer as Y.

- (a) C
- (b) O
- (c) U
- (d) Y
- (e) X

Directions (97-99): Carefully examine the information provided below and solve the questions that follow.

A is the sister-in-law of O. C is the mother of A who is the daughter of D. E is the niece of O who is the son of F. One person is G. H the grandson of F and has sibling. O doesn't have a child. Only two married couples are there in the family. D is father of I. A is married. There are four male members in the family.

Q97. How is G related to D?

- (a) Son-in-law
- (b) Mother-in-law
- (c) Father-in-law
- (d) Father
- (e) Son

Q98. Which of the following is true?

- (a) H is the father of A
- (b) A is the father of O
- (c) O is the brother of D

- (d) A is the niece of F
- (e) None is true

Q99. How is H related to O?

- (a) Daughter
- (b) Son
- (c) Nephew
- (d) Niece
- (e) Son

Q100. In the word 'PRIMEVAL', how many pairs of the letters have the same number of letters between them (both forward and backward direction) in the word as in the

Solutions

S1. Ans.(c)

Sol. Correct sequence: C-A-B-E-D

Explanation of the Order

- (C) introduces the topic by stating that **Tokyo attracts shoppers from across the globe**, setting the context of the bustling shopping scene.
- (A) follows logically by explaining that **many merchants are pleased** because this flow of visitors brings **higher profits**.
- (B) presents the **contrast**, noting that **not everyone is happy** due to the chaos and congestion.
- (E) adds a **specific example** of those affected, explaining how **local brands struggle** against international labels.
- (D) gives the **concluding statement**, summarising that **Tokyo's shopping scene offers both opportunities and challenges**.

S2. Ans.(a)

Sol. Correct sequence: C-A-B-E-D

Explanation of the Order

- (C) introduces the topic by stating that **Tokyo attracts shoppers from across the globe**, setting the context of the bustling shopping scene.
- (A) follows logically by explaining that **many merchants are pleased** because this flow of visitors brings **higher profits**.
- (B) presents the **contrast**, noting that **not everyone is happy** due to the chaos and congestion.

those affected, struggle against international labels. Summarising that Tokyo's shopping scene offers both opportunities and challenges.

Ans.(b)

Sol. Correct sequence: C-A-B-E-D

Explanation of the Order

- (C) introduces the topic by stating that **Tokyo attracts shoppers from across the globe**, setting the context of the bustling shopping scene.
- (A) follows logically by explaining that **many merchants are pleased** because this flow of visitors brings **higher profits**.
- (B) presents the **contrast**, noting that **not everyone is happy** due to the chaos and congestion.

- (E) adds a **specific example** of those affected, explaining how **local brands struggle** against international labels.
- (D) gives the **concluding statement**, summarising that **Tokyo's shopping scene offers both opportunities and challenges**.

S4. Ans.(e)

Sol. Correct sequence: C-A-B-E-D

Explanation of the Order

- (C) introduces the topic by stating that **Tokyo attracts shoppers from across the globe**, setting the context of the bustling shopping scene.

- (A) follows logically by explaining that **many merchants are pleased** because this flow of visitors brings **higher profits**.
- (B) presents the **contrast**, noting that **not everyone is happy** due to the chaos and congestion.
- (E) adds a **specific example of those affected**, explaining how **local brands struggle against international labels**.
- (D) gives the **concluding statement**, summarising that **Tokyo's shopping scene offers both opportunities and challenges**.

S5. Ans.(d)

Sol. Correct option is (d)
Explanation of the passage is as follows:

- (C) introduces the idea of a **new form of shopping** in the bustling city.
- (A) follows logically by explaining that **many merchants are pleased** because this flow of visitors brings **higher profits**.
- (B) presents the **contrast**, noting that **not everyone is happy** due to the chaos and congestion.
- (E) adds a **specific example of those affected**, explaining how **local brands struggle against international labels**.
- (D) gives the **concluding statement**, summarising that **Tokyo's shopping scene offers both opportunities and challenges**.

S6. Ans.(c)

Sol. Correct option is (c) To prevent the continuous overflow of water despite a common water tank.
Detailed Solution:

- (a) To reduce the rising electricity bills caused by the motor. – **Incorrect**. The passage states that the motor was often left running for too long, causing the tank to overflow and waste precious water. This was the **primary problem Akshara sought to solve**.
- (b) To inspire children to check their phones. – **Incorrect**. Children reminding elders was only a **later outcome**, not the reason she introduced the system.
- (c) To prevent the continuous overflow of water despite a common water tank. – **Correct**. The passage clearly highlights that the motor was often left running for too long, causing the tank to overflow and waste precious water. This was the **primary problem Akshara sought to solve**.
- (d) To attract the attention of nearby areas by becoming a model village. – **Incorrect**. The neighbouring areas noticed the initiative only **after it succeeded**, not as her original aim.

- (e) To modernize farming techniques in the village. – **Incorrect**. Although she had previously upgraded farming techniques, the immediate action was taken **to stop the wastage of water**, not to improve agriculture.

S7. Ans.(a)

Sol. Correct Option: (a) Only B

Detailed Solution:

- (A) Akshara's initiative directly influenced the villagers' daily habits.
 - **True**. The passage states that "people began to check their phones regularly, and even children reminded the elders to turn off the motor when the message arrived." This shows a clear change in their habits.

S8. Ans.(a)

Sol. Correct option is (a) To prevent the continuous overflow of water despite a common water tank.

Detailed Solution:

- (a) To reduce the rising electricity bills caused by the motor. – **Incorrect**. The passage states that the motor was often left running for too long, causing the tank to overflow and waste precious water. This was the **primary problem Akshara sought to solve**.
- (b) To inspire children to check their phones. – **Incorrect**. Children reminding elders was only a **later outcome**, not the reason she introduced the system.
- (c) Government incentives for rural technology – **Incorrect**:
 - There is **no mention** of any government support or incentive in the passage.
- (d) Children reminding elders to check their phones – **Incorrect**:
 - While this helped maintain the practice, it was a **supporting effect**, not the primary factor enabling successful implementation.

- (e) Seasonal rainfall improving water supply - Incorrect:
 - The passage does not discuss rainfall as a reason for the success of the system.

S9. Ans.(b)

Sol. Correct Option: (b) It reflects their growing awareness of resource conservation.

Detailed Solution:

- (a) It shows their dependence on mobile entertainment - Incorrect:
 - The villagers were checking their phones for water alerts, not for entertainment.
- (b) It reflects their growing awareness of resource conservation - Correct:
 - Regular use of mobile phones for water alerts indicates a growing awareness of resource conservation.
- (c) It indicates their plan to increase resources - Incorrect:
 - There is no mention of a plan to increase resources in the passage.
- (d) It promotes the use of farming techniques - Incorrect:
 - The passage does not mention farming techniques.
- (e) It demonstrates the use of mobile phones - Incorrect:
 - Using mobile phones for water alerts is not the same as demonstrating the use of mobile phones.

S10. Ans.(c)

Sol. Correct Option: (c) Only C

Detailed Solution:

- (A) Child operation - Incorrect:
 - The passage mentions that the elders arrived, but it does not mention child operation.
- (B) The message system was funded by the state government - False:
 - There is no mention in the passage of any government funding or financial support for the system.
- (C) Akshara's previous projects included upgrading farming techniques - True:
 - The passage clearly says: "Under her guidance, the roads had been repaired, small health camps were organized, and farming techniques were upgraded."

S11. Ans.(c)

Sol. Correct Option: (c) They admired the innovation and were motivated to try a similar water-saving method in their own villages.

Detailed Solution:

- (a) They approached the village authorities for technical details, hoping to replicate the idea in their own areas. - Partially plausible but not stated. The passage does not mention any formal approach for technical details.
- (b) They requested government intervention to fund a new network of water tanks across the district. - Incorrect. There is no mention of any government involvement or funding requests.
- (c) They admired the innovation and were motivated to try a similar water-saving method in their own villages. - Correct. The passage mentions that the villagers were motivated to try a similar method in their own villages. "This leading to a good quickly indicates that the neighbouring villages were also motivated to try the same method." "The plan increased resources. - The passage mentioned. They already the mobile implement it shows they were serve it. response of the"

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ready gone. of attracting

- (b) rejected - Incorrect.
 - **Meaning (English):** refused to accept.
 - **Meaning (Hindi):** अस्वीकार किया (Asvikaar kiya)
 - **Example (English):** The committee rejected the proposal.
 - **Reason:** Opposite of attracting.
- (c) avoided - Incorrect.
 - **Meaning (English):** kept away from or prevented.
 - **Meaning (Hindi):** बचा, टाला (Bacha, Taala)
 - **Example (English):** He avoided talking about the issue.
 - **Reason:** Opposite sense; it means keeping away, not gaining attention.

- **(d) drew – Correct.**
 - **Meaning (English):** attracted or brought towards.
 - **Hindi meaning:** आकर्षित किया (Aakarshit kiya)
 - **Example (English):** The festival **drew** thousands of visitors.
 - **Reason:** Perfectly fits the idea of attracting attention in nearby areas.
- **(e) deflected – Incorrect.**
 - **Meaning (English):** turned aside or changed direction.
 - **Hindi meaning:** मोड़ दिया, दिशा बदल दी (Mod diya, Disha badal di)
 - **Example (English):** The shield **deflected** the arrow.
 - **Reason:** Does not fit the context.
- **(d) Following – Incorrect**
 - **English meaning:** coming after something; next in order.
 - **Hindi meaning:** अगला, अनुसरण करने वाला (Agla, Anusaran karne wala)
 - **Example (English):** The **following** day, she visited the village.
 - **Reason:** Means something that comes after, not something causing a result.
- **(e) Ambiguous – Incorrect**
 - **English meaning:** unclear or having multiple possible meanings.
 - **Hindi meaning:** अस्पष्ट, अर्थहीन (Aspasht, Do arth)
 - **Example (English):** The **ambiguous** statement caused confusion.
 - **Reason:** Does not fit the context.

S13. Ans.(a)

Sol. In the sentence, "People began to lead a simple life after the message arrived about the danger of floods and electricity cuts." Here "leading a simple life" is the correct answer.

Option Analysis:

- **(a) Result – Correct.**
 - **English meaning:** to happen; to bring about.
 - **Hindi meaning:** परिणाम (Parinam)
 - **Example (English):** Heavy rains **resulted** in floods.
 - **Reason:** Perfectly fits the context.
- **(b) Misleading – Incorrect.**
 - **English meaning:** to deceive or lead to a different direction.
 - **Hindi meaning:** भ्रामक (Bhraamak)
 - **Example (English):** The advertisement was **misleading**.
 - **Reason:** Opposite meaning; it refers to deception, not causing a result.
- **(c) Inferior – Incorrect**
 - **English meaning:** of lower quality or rank.
 - **Hindi meaning:** निम्न, घटिया (Nimn, Ghatiya)
 - **Example (English):** This material is **inferior** to the original.
 - **Reason:** Refers to lower quality, unrelated to the meaning of "leading."
- **(d) Action – Correct**
 - **English meaning:** something done intentionally to achieve a result; a deed or step.
 - **Hindi meaning:** कार्य, कदम (Karya, Kadam)
 - **Example (English):** Her quick **action** saved the project.
 - **Reason:** Perfectly fits the meaning of "move" here—Akshara's bold decision or step.

- **(d) Impulse** – Incorrect
 - **English meaning:** a sudden strong urge or desire.
 - **Hindi meaning:** आवेग, अचानक इच्छा (Aaveg, Achanak Ichchha)
 - **Example (English):** He acted on an **impulse** and bought the car.
 - **Reason:** Implies sudden desire, not a thoughtful action.
- **(e) Migration** – Incorrect
 - **English meaning:** the movement of people or animals from one region to another.
 - **Hindi meaning:** प्रवास, पलायन (Pravaas, Palaayan)
 - **Example (English):** Bird migration happens in winter.
 - **Reason:** Implies movement of beings.

S15. Ans.(c)

Sol. Sentence

He checked the settings again to prevent another system crash.

Step 1: Context clue

- The verb "checked" suggests something is being reviewed or fixed.
- The phrase "prevent another system crash" suggests a failure or breakdown.

Step 2: Check options

(a) break

- "System break" is not a common phrase.
- Incorrect.

(b) update

- Updates are usually done to improve or "prevent" issues.
- Incorrect.

(c) crash

- Meaning: a sudden failure or breakdown (Hindi: सिस्टम का ठप होना).
- Common phrase: "system crash".
- Fits perfectly in the sentence.
- Correct.

(d) click

- "System click" makes no sense.
- Incorrect.

(e) login

- "System login" exists, but you don't prevent a login; you prevent failures.
- Incorrect.

Step 3: Correct sentence

He checked the settings again to prevent another system crash.

Correct Answer: (c) crash

S16. Ans.(d)

Sol. Sentence given:

Despite the warning signs, the company continued its risky financial _____.

Step 1: Context clue

- The phrase "risky financial ..." suggests something involving danger, uncertainty, or bold action.
- The word should logically complete the collocation.

Step 2: Check options

(a) borrow

- "Financial borrow" is not a proper collocation.
- Incorrect.

(b) expand

- "Financial expand" is not a proper collocation.
- Incorrect.

- "Financial venture" is a common phrase.
- Correct.

Despite the warning signs, the company continued its risky financial venture.

Step 3: Correct sentence

Despite the warning signs, the company continued its risky financial venture.

Correct Answer: (d) venture

Step 1: Context clue

- The phrase "delayed the vote to allow time for further" suggests a process of review or study.
- The word should logically complete the sentence.

Step 2: Check options

(a) assertion

- Meaning: a confident statement or claim (Hindi: दावा, कथन).
- Doesn't fit here.

(b) correction

- Meaning: a change or improvement made to something that was wrong or incorrect.
- Doesn't fit here.

(c) examination

- Meaning: a process of testing or evaluating something.
- Doesn't fit here.

(d) modification

- Meaning: a change or improvement made to something.
- Fits perfectly in the sentence.

Step 3: Correct sentence

The committee delayed the vote to allow time for further modification.

Correct Answer: (d) modification

(b) revision

- Meaning: reviewing or altering something to improve it (Hindi: संशोधन, पुनरीक्षण).
- Example: *The draft law was sent back for revision.*
- Fits perfectly with “further revision.”
- Correct.

(c) mention

- Meaning: a reference to something (Hindi: उल्लेख).
- “Further mention” makes no sense in this context.
- Incorrect.

(d) division

- Meaning: separation, part (Hindi: विभाजन).
- “Further division” does not match the context of a vote delay.
- Incorrect.

(e) collection

- Meaning: gathering, assembly.
- “Further collection” makes no sense in this context.
- Incorrect.

Step 3: Correct sentence

The committee suggested further revision.

Correct Answer: (b) revision

S18. Ans.(c)**Sol. Sentence**

The researcher's findings directly challenged the existing scientific _____.

Step 1: Context

- “Directly challenged the existing scientific _____” suggests a noun that refers to a system or framework.
- In science, a framework is a set of ideas or beliefs that guide research.
- **paradigm** is a noun that fits the context.

Step 2: Check options**(a) forums**

- Meaning: places where people gather to discuss or debate.
- “Challenged the existing scientific forums” sounds unnatural.
- Incorrect.

(b) context

- Meaning: circumstances or background (Hindi: संदर्भ).
- “Challenged the existing scientific context” sounds unnatural.
- Incorrect.

(c) framework

- Meaning: a structured system of rules, ideas, or beliefs (Hindi: ढांचा, संरचना).
- Example: *The theory provided a framework for further studies.*
- Fits perfectly: “challenged the existing scientific framework.”
- Correct.

(d) dispute

- Meaning: conflict, argument (Hindi: विवाद).
- “Existing scientific dispute” is odd — disputes are arguments, not structures.
- Incorrect.

(e) featured

- Meaning: highlighted or shown (Hindi: विशेष रूप से प्रस्तुत).
- Doesn't fit grammatically or contextually.
- Incorrect.

Step 3: Correct sentence

The researcher's findings directly challenged the existing scientific framework.

Correct Answer: (c) framework

Step 3: Correct sentence**(a) process**

- Meaning: a series of steps or actions.
- “Systemic process” is a common phrase, but “without affecting the stability, wholeness of the process” is awkward.
- “Systemic process” is a common phrase, but “without affecting the stability, wholeness of the process” is awkward.

(b) system

- Meaning: a set of interconnected parts.
- “Systemic system” is redundant.
- “Without affecting the stability, wholeness of the system” is awkward.

(c) framework

- Meaning: a structured system of rules, ideas, or beliefs.
- “Without affecting the stability, wholeness of the framework” is awkward.
- Incorrect.

(d) integrity

- Meaning: the quality of being whole and undivided.
- Very common collocation: *system integrity*.
- Fits perfectly here.
- Correct.

(e) liable

- Meaning: legally responsible (Hindi: जिम्मेदार).
- Doesn't fit grammatically or contextually.
- Incorrect.

Step 3: Correct sentence

The software update resolved the bug without affecting system integrity.

Correct Answer: (d) integrity

S20. Ans.(a)**Sol. Sentence given:**

The tourists was informed (A)/ that the ferry service (B)/ would resume operation (C)/ after the storm passed. (D)

Step 1: Check each segment**(A) "The tourists was informed"**

- Subject = "tourists" (plural).
- Verb = "was" (singular).
- Rule: Subject-Verb Agreement → plural subject takes plural verb.
- Correct form: *"The tourists were informed."*
- Error here.

(B) "that the ferry service"

- Correct as is.

(C) "would resume"

- Correct: "would resume".

(D) "after the storm"

- Correct: "after the storm".

Step 2: Grammar rule**Subject-Verb Agreement**

- Singular subject takes singular verb (e.g., *he is happy*).
- Plural subject takes plural verb (e.g., *they are happy*).

Step 3: Corrected sentence

The tourists would resume operation after the storm passed.

Example for correct parallelism

Incorrect: *The plan was both effective and easy to implement.*

Correct: *The plan was both effective and easy to implement.*

Correct Answer: (a)**S21. Ans.(c)****Sol. Sentence given:**

He described the plan as both effective (B) and was easy to implement (C) within the current budget. (D)

Step 1: Spot the error

Look at (C): "and was easy to implement."

- Rule: When two clauses are connected by "and ...", the subject and verb must be in the same grammatical form.
- Here:
 - First part: *He described the plan as both effective* (clause with verb "described").
 - Second part: *and was easy to implement* (clause with verb "was").

This breaks **parallelism**.

Correct parallel form: *"both effective and easy to implement."*

So the error is in (C).

Step 2: Grammar rule**Parallelism Rule with "both ... and ..."**

- The elements connected by "both ... and ..." should be in the same grammatical form.
- Example:
 - Incorrect: *The trip was both enjoyable and it gave us new experiences.*
 - Correct: *The trip was both enjoyable and memorable.*

Step 3: Corrected sentence

He described the plan as both effective and easy to implement within the current budget.

Correct Answer: (c) C**S22. Ans.(d)****Sol. Sentence given:**

She took the wrong train (A)/ and ended up in (B)/ an unfamiliar station (C)/ she had never been in before. (D)

Step 1: Spot the possible error

Look at (D): "she had never been in before."

- Rule: In English, we say "been to a place" not "been in a place" when talking about visiting or experiencing a place.

Correct form: *"she had never been to an unfamiliar station before."*

So the error is in (D).

Step 2: Grammar rule

Preposition "to" is used with "been" to indicate a destination or place visited.

Example: *"I have been to Paris."* (Correct) vs. *"I have been in Paris."* (Incorrect).

Step 3: Corrected sentence

She took the wrong train and ended up in an unfamiliar station she had never been to before.

Correct Answer: (d) D

S23. Ans.(b)**Sol. Sentence given:**

A number of rare birds (A) has been spotted (B)/ near the riverbank (C) over the past few days. (D)

Step 1: Focus on subject-verb agreement

Subject: *A number of rare birds* (plural noun phrase).
Verb: *has been spotted* (singular verb form).

Rule: A plural subject requires a plural verb.

Step 2: Grammar rule

- *A number of + plural noun → plural verb*
- Example: *A number of students have applied for the scholarship.*
- *The number of + plural noun → singular verb*
- Example: *The number of students has decreased this year.*

Step 3: Corrected sentence

A number of rare birds have been spotted near the riverbank over the past few days.

Correct Answer: (b) B

S24. Ans.(b)

Sol. Sentence given:

The players practiced hard (A)/ so that they can (B)/ perform well in the (C)/ upcoming regional tournament. (D)

Step 1: Spot the tense mismatch

- Main clause: “The players practiced hard” → past tense.
- Subordinate clause: “so that they can perform” → present tense.

Rule: **Tense consistency** → when the main clause is in past tense, the dependent clause should also shift accordingly.

- Correct form: “so that they could perform well ...”

Step 2: Grammar rule

- **Past tense main clause → past tense in dependent clause.**

- Example:

○ Incorrect: *The players practiced hard so that they can perform well in the upcoming tournament.*

○ Correct: *The players practiced hard so that they could perform well in the upcoming tournament.*

Step 3: Corrected sentence

The players practiced hard so that they could perform well in the upcoming tournament.

Correct Answer: (b)

S25. Ans.(b)

Sol. Sentence given:

Himachal Pradesh banned mobile use in government schools to ban-

nish the use of mobile phones in government schools to improve focus and well-being.

Highlighted words:

- improve (A)
- government (B)
- banned (C)

Step 1: Read and understand the sentence

- “Himachal Pradesh banned mobile use in government schools to improve focus and well-being.” → grammatically wrong, needs “has” or “improve.”
- “...mobile use in government schools” → correct phrase
- “...to banish the use of mobile phones in government schools” → correct phrase
- “...to improve focus and well-being” → correct phrase

So the position of words is swapped.

Step 2: Apply the rule

Corrected sentence:

Himachal Pradesh banned (C) mobile use in government (B) schools to improve (A) focus and well-being.

Step 3: Meanings of highlighted words

1. **Improve (A)**

- English: make better.
- Hindi: सुधारना
- Example: *The teacher gave tips to improve writing skills.*

2. **Government (B)**

- English: the ruling authority of a state.
- Hindi: सरकार
- Example: *The government announced new education policies.*

3. **Banned (C)**

- English: officially prohibited.
- Hindi: प्रतिबंधित
- Example: *The school banned smoking on campus.*

Final Correct Sentence

Himachal Pradesh banned mobile use in government schools to improve focus and well-being.

Correct Answer: (b) CBA

S26. Ans.(d)

Sol. Sentence given:

Karnataka launched (A) the Deepika Scholarship, higher (B) ₹30,000 yearly to 37,000 schoolgirls in higher (C) education.

“Karnataka launched the Deepika Scholarship, giving ₹30,000 yearly to 37,000 schoolgirls in higher education.” →

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- English: more advanced, at a greater level.

- Hindi: उच्च

- Example: *She is pursuing higher education abroad.*

3. **Giving (C)**

- English: providing, offering.

- Hindi: देना, प्रदान करना

- Example: *The NGO is giving free food to the poor.*

Final Correct Sentence

Karnataka launched the Deepika Scholarship, giving ₹30,000 yearly to 37,000 schoolgirls in higher education.

Correct Answer: (d) ACB

S27. Ans.(c)

Sol. Sentence given:

Gurgaon's Ward 22 is composting (A) a zero-waste model with becoming (B), segregation, and community (C) efforts.

Highlighted words:

- composting (A)
- becoming (B)
- community (C)

Step 1: Read as-is

- "is composting a zero-waste model ..." → odd, should be "is becoming a zero-waste model ..."
- "...with becoming, segregation ..." → wrong, should be "...with composting, segregation ..."
- "...and com

So, A (compos

Step 2: Apply

Corrected sent

Gurgaon's Ward

composting (A)

Now it is gram

Step 3: Meani

1. **Composti**

- English
- Hindi
- Exam

2. **Becoming**

- English
- Hindi
- Exam

3. **Communi**

- English
- Hindi
- Exam

Final Correct

Gurgaon's Ward 22 is composting, segregation, and community efforts.

Correct Answer: (c) BAC

S28. Ans.(d)

Sol. (d) Both A and B

(A) Correct usage.

"Curse" is used metaphorically to describe the rain as something **harmful or unfortunate**, which is a common and valid usage (e.g., "a curse in disguise").

(B) Correct usage.

"Curse" is used to mean a **swear word or expletive** shouted in pain or frustration — an appropriate and literal use of the word.

(C) Incorrect usage.

The phrase "a curse of appreciation" is contradictory and illogical. A **curse** refers to a wish for harm or a harmful spell, which **clashes** with the concept of appreciation. The correct phrase might be "a word of appreciation" or "a gesture of gratitude."

S29. Ans.(a)

Sol. Sentence given:

The manager instructed the staff to took care of all client requests promptly and efficiently.

Step 1: Spot the error

- After verbs like *instructed, told, asked, advised*, we use **to**

st tense.

are of all."

ded meaning.

infinitive, not a
"to taking."

ingular. Subject

y wrong.

re of all client

workshop on

artificial intelligence applications.

Step 1: Spot the error

- After adjectives like *excited, eager, happy, ready*, we use **to + base verb (infinitive)**.
- "for attend" is wrong.
- Correct: **to attend**.

Step 2: Check options

(a) with attending the workshop

- Wrong structure, ungrammatical here.

(b) to attend the workshop

- Correct: *"The students were excited to attend the workshop ..."*
- Matches grammar and meaning.

(c) to attending the workshop

- Wrong, because after “excited” we don’t use “to + gerund.”

(d) in attend the workshop

- Wrong, ungrammatical.

(e) No improvement required

- Incorrect, since the given sentence is wrong.

Step 3: Corrected sentence

The students were excited **to attend** the workshop on artificial intelligence applications.

Correct Answer: (b) to attend the workshop

S31. Ans.(a)

Sol. Required :

$$= \frac{175+200}{325+275} \times 100$$

S32. Ans.(b)

Sol. Required :

S33. Ans.(c)

Sol. Cheesecake

$$= 300 \times 3 - 200$$

Required answer

S34. Ans.(d)

Sol. Required :

S35. Ans.(a)

Sol. Unsold = 7

Required answer

S36. Ans.(b)

Sol. Required :

$$= 120 + 115 + 110$$

$$= 455 : 505 = 9$$

S37. Ans.(c)

Sol. Required :

S38. Ans.(d)

Sol. Students in 2020 in A = $120 \times 3 - 230 = 130$

S39. Ans.(e)

Sol. Total students in E = $165 + 100 + 135 = 400$

$$3x + 2x = 400$$

$$5x = 400$$

$$80 = x$$

S40. Ans.(b)

Sol. Boys in D = $\frac{3}{1+3} \times 120 = 90$

Solutions (41-42):

Total mixture = 48

$$\text{Milk} = \frac{5}{3+5} \times 48 = 30$$

$$\text{Water} = 48 - 30 = 18$$

ATQ,

$$\frac{2+X \times \frac{5}{8}}{2+X \times \frac{3}{8}} = \frac{3}{2}$$

$$(16 + 5X) \times 2 = (16 + 3X) \times 3$$

$$32 + 10X = 48 + 9X$$

$$X = 16$$

S41. Ans.(a)

Sol. $X = 16$

of $100x = 65x$

Ex

Exp

food

investm

Saving =

$$17.5x - 13x$$

$$= 4.5x$$

$$= 900$$

S. 3. (d)

S. 1. Required answer = 0 Rs. 0

S. 4. Ans. (c)

S45. Ans.(d)**Sol. Information Given:**

A invested Rs. 2000.

B invested Rs. 6000.

A invested for 2 months more than B.

Total profit = Rs. 6600.

A's profit share = Rs. 1800.

Asked: How many months did A invest?

Concept/Formula Used:

Profit ratio is proportional to investment $\times$ time.

A's investment $\times$ time : B's investment $\times$ time = A's profit :

B's profit

Total profit = A's profit + B's profit

Explanation:

Let B invest for x months.

Then A invests for $(x + 2)$ months.

Investment $\times$ time : Investment $\times$ time

Investment $\times$ time : Investment $\times$ time

A's profit share : B's profit share

So, profit ratio = $2000 \times (x + 2) : 6000 \times x$

= 3 : 8

Set ratio of investment $\times$ time

$2000 \times (x + 2) : 6000 \times x$

Cross multiply

$8 \times 2000 \times (x + 2) = 3 \times 6000 \times x$

Simplify:

$16000(x + 2) = 18000x$

Expand left:

$16000x + 32000 = 18000x$

Bring terms to one side:

$32000 = 18000x - 16000x$

Solve for x :

$x = 32000 / 2000 = 16$

A's investment = $16 + 2 = 18$ months.

S46. Ans.(e)**Sol. Information Given:**

8 men can do a work in 3 days.

$x + 10$ women can do the same work in 4 days.

The efficiency of men is 3 times that of women.

Find how many days $x + 16$ women will take to do the work.

Concept/Formula Used:

Efficiency is work done per day.

Let efficiency of one man be 3 units (based on ratio).

Efficiency of one woman is 1 unit.

Total work = number of workers $\times$ efficiency per worker $\times$ number of days.

Same work means total work is equal.

Explanation:

Total work done by 8 men in 3 days:

$8 \times 3 \times 3 = 72$ units.

Total work done by $x + 10$ women in 4 days:

$(x + 10) \times 1 \times 4 = 4(x + 10)$.

Since total work is same,

$72 = 4(x + 10)$.

Solve for x ,

$x + 10 = 72 \div 4 = 18$,

$x = 8$.

Now for $x + 16$ women = $8 + 16 = 24$ women,

Let time taken = D days.

Total work = $24 \times 1 \times D = 72$,

So, $D = 72 \div 24 = 3$ days

S47. Ans.(d)**Sol. Information Given:**

Ratio of time taken by boat downstream to upstream = 3 : 5.

Speed of stream = 3 km/hr.

Time taken to cover 72 km upstream.

Speed of boat downstream = speed of boat + speed of stream.

Speed of boat upstream = speed of boat - speed of stream.

Time taken to cover 72 km upstream = distance / speed.

Time taken to cover 72 km downstream = distance / speed.

Explanation: Let speed of boat be x km/hr.

Speed downstream = $x + 3$ km/hr.

Speed upstream = $x - 3$ km/hr.

From time ratio, $3 : 5$, speed ratio

$(x + 3) : (x - 3) = 3 : 5$.

Cross multiply

$5(x + 3) = 3(x - 3)$.

Expand:

$5x + 15 = 3x - 9$

$5x - 3x = -9 - 15$

$2x = -24$

$x = -12$

Speed of boat = 12 km/hr.

Time taken to cover 72 km upstream = distance / speed =

$72 / 9 = 8$ hours

S48. Ans.(d)**Sol. Information Given:**

Perimeter of square = 48 cm.

Side of square = breadth of rectangle.

Area of rectangle = 216 cm^2 .

Asked: Length of the rectangle.

Concept/Formula Used:

Perimeter of square = $4 \times$ side.

Side length of square = Perimeter $\div 4$.

Area of rectangle = length $\times$ breadth.

Explanation:

Side of square = breadth of rectangle.

Side length = $48 \div 4 = 12$ cm.

Breadth of rectangle = 12 cm.

Area of rectangle = length $\times$ breadth,

so, length = Area $\div$ breadth = $216 \div 12 = 18$ cm.

S49. Ans.(d)**Sol. Information Given:**

Ratio of age of X ten years ago to Y six years ago = 2 : 3.

Ratio of age of X four years hence to Y six years hence = 5 : 6.

Asked: Difference between present ages of X and Y.

Concept/Formula Used:

Age ten years ago

Age six years ago

Age four years hence

Age six years hence

Use ratio expression

present ages.

Explanation:

Let present age

From first ratio

$(x - 10) / (y - 6)$

Cross multiply

$3(x - 10) = 2(y - 6)$

$3x - 30 = 2y - 12$

$3x - 2y = 18$ ---

From second ratio

$(x + 4) / (y + 6)$

Cross multiply

$6(x + 4) = 5(y + 6)$

$6x + 24 = 5y + 30$

$6x - 5y = 6$ ---

Multiply equation (1) by 5

$15x - 10y = 90$

$12x - 10y = 12$

Subtract (4) from (3)

$(15x - 12x) - (10y - 10y)$

$3x = 78$

$x = 26$

Substitute $x = 26$ into (1):

$3(26) - 2y = 18$

$78 - 2y = 18$

$-2y = 18 - 78 = -60$

$2y = 60$

$y = 30$

Difference between present ages:

$y - x = 30 - 26 = 4$ years.

S50. Ans.(c)**Sol. Information Given:**

Marked up price is 50% above cost price.

Discount allowed = Rs. 360.

Difference between profit and cost price = Rs. 960.

Asked: Marked price.

Concept/Formula Used:

Marked Price (MP) = Cost Price (CP) + 50% of CP = $1.5 \times$ CP.

Selling Price (SP) = MP - Discount.

Profit = SP - CP.

Difference between profit and cost price = Profit - CP = 960.

Explanation:

Let Cost Price = CP.

Marked Price = 1.5 CP.

Selling Price = Marked Price - Discount = 1.5 CP - 360.

Profit = Selling Price - CP = $(1.5$ CP - 360) - CP = 0.5 CP - 360.

Given,

Profit - Cost Price = 960,

Check if difference means cost price - profit:

0.5 CP - 360 = 960 $\Rightarrow$ 0.5 CP = $960 + 360 =$

S.

Two

When

5:6.

After

of A to

Concept

Set A = $4x$

From the

equ

substitute x to find A and B.

calculate new ratio A - 10 : (B - 10)

Explan

Let

According

Cross multiply

160 $\times$ 40

24

25

gives $x = 40$.

0.

0 = 190.

o 15 : 19

S52. Ans.(b)**Sol. Information Given:**

A man invested Rs. X at 16% simple interest for 5 years and received Rs. 2000 as interest.

The same amount X is then invested at 20% compound interest for 2 years.

Asked: Amount received from the compound interest investment.

Concept/Formula Used:

Simple Interest (SI) = $(P \times R \times T) / 100$

Compound Interest (CI) Amount = $P \times (1 + R/100)^T$

Principal (P) = Rs. X

Rate (R) and Time (T) are given for both cases.

Explanation:

Using simple interest formula,

$$2000 = (X \times 16 \times 5) / 100$$

Rearranging,

$$2000 = (X \times 80) / 100$$

$$X = (2000 \times 100) / 80 = \text{Rs. } 2500$$

Calculate amount for compound interest,

$$\text{Amount} = 2500 \times (1 + 20/100)^2$$

$$= 2500 \times (1.2)^2$$

$$= 2500 \times 1.44 = \text{Rs. } 3600$$

S53. Ans.(d)**Sol. Information Given:**

Average of four consecutive odd numbers is 10.

Average of four

Asked: Sum of four consecutive even number.

Concept/Formula Used:

For 4 consecutive odd numbers)/4

Consecutive odd

For 4 consecutive

middle number

Similar for 4 consecutive

Explanation:

Let the four consecutive

$$\text{Average} = (n + (n+6)) / 4 = 10$$

$$\text{Sum} = 10 \times 4 = 40$$

$$\text{So, } 4n + 12 = 40$$

$$4n = 28$$

$$n = 7$$

So odd numbers are 7, 9, 11, 13

Let the four consecutive even

$$\text{Sum} = 21 \times 4 = 84$$

$$\text{So, } 4m + 12 = 84$$

$$4m = 72$$

$$m = 18$$

So even numbers are 18, 20, 22, 24

$$\text{Sum of largest odd and smallest even} = 13 + 18 = 31$$

S54. Ans.(a)**Sol. Information Given:**

Speed going to gym = 20 km/hr

Speed returning from gym = 30 km/hr

Concept/Formula Used:

Average speed for entire journey = $(2 \times \text{speed}_1 \times \text{speed}_2) / (\text{speed}_1 + \text{speed}_2)$

Explanation:

Speed to gym = 20 km/hr, speed back = 30 km/hr.

Use formula for average speed in round trip when distances are equal:

$$\text{Average speed} = (2 \times 20 \times 30) / (20 + 30)$$

$$\text{Calculate numerator} = 2 \times 20 \times 30 = 1200.$$

$$\text{Calculate denominator} = 20 + 30 = 50.$$

$$\text{Average speed} = 1200 / 50 = 24 \text{ km/hr.}$$

S55. Ans.(e)

Sol. Ratio of milk to that of water in the mixture after adding 40 l water = 128 : 40

$$25\% \text{ of that mixture} = (128 + 40) \times \frac{25}{100} = 42 \text{ liters}$$

$$\frac{128 - 42 \times \frac{16}{21}}{40 - 42 \times \frac{5}{21} + x} = \frac{2}{1}$$

$$x = 18$$

S58.

Sol. ? =

$$? = 58 -$$

$$? = 1021$$

$$? = 1021$$

$$? = 1021$$

$$? = 1021$$

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$$? = 1021$$

S61. Ans.(a)

$$\text{Sol. } 999 + 4769 - 4731 = ?$$

$$? = 1037$$

S62. Ans.(b)

$$\text{Sol. } ? = 1217 + 841 + 819 - 724 - 1843$$

$$= 2877 - 2567$$

$$? = 310$$

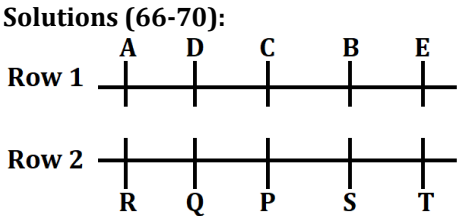
S63. Ans.(e)

$$\text{Sol. } ? = \frac{0.06 \times 0.84}{1.2 \times 0.015}$$

$$? = 2.8$$

S64. Ans.(d)
 Sol. $? = 15.45 + 0.55$
 $? = 16$

S65. Ans.(d)
 Sol. $? = 1405 - 811 - 576$
 $? = 18$



S66. Ans.(b)
 S67. Ans.(c)
 S68. Ans.(d)
 S69. Ans.(b)

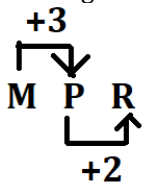
S70. Ans.(e)
 Sol. Except P-A

S71. Ans.(d)
 Sol. I. $D > J$ (True)
 II. $H \leq E$ (True)

S72. Ans.(b)
 Sol. I. $Q > V$ (False)
 II. $M < T$ (True)

S73. Ans.(e)
 Sol. I. $B < H$ (False)
 II. $B \geq G$ (False)

S74. Ans.(b)
 Sol. Logic here



Solutions (75-79):

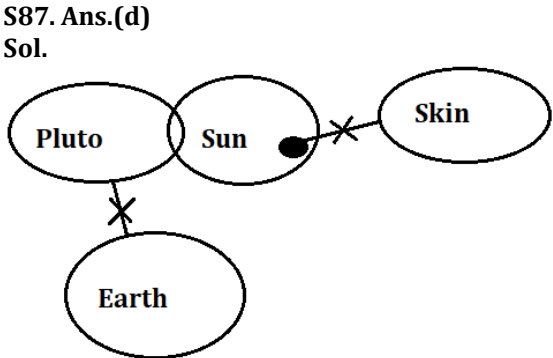
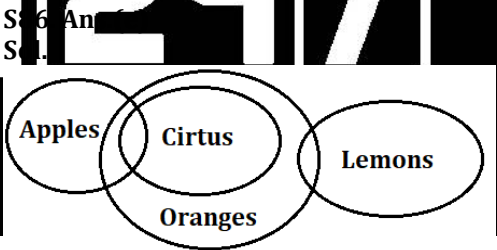
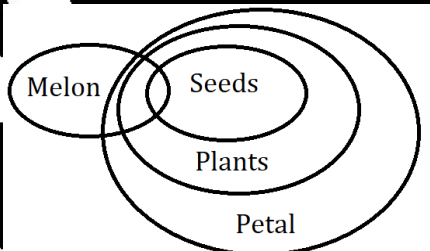
Week	Persons
Monday	F
Tuesday	A
Wednesday	C
Thursday	D
Friday	G
Saturday	B
Sunday	E

S75. Ans.(b)
 S76. Ans.(c)
 S77. Ans.(d)
 S78. Ans.(e)
 S79. Ans.(d)

S80. Ans.(b)
 Sol. Third symbol from the right end is \$
 Ninth to the left of \$ is 5.

S81. Ans.(d)
 Sol. $83 \& 74 * ^6 \% 85 @ 271 \# 397 \$ 92 ! 65$
 Three- %, @, #

S82. Ans.(a)



Solutions (88-90):

E > D > G > A > F > B
71m 63m

- S88. Ans.(c)
- S89. Ans.(d)
- S90. Ans.(e)

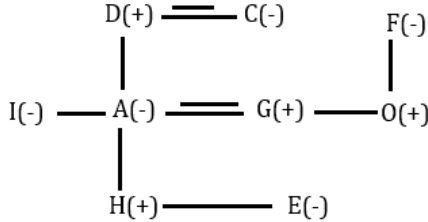
Solutions (91-95):

Persons
P
U
R
T
W
Q
V
S

- S91. Ans.(d)
- S92. Ans.(e)
- S93. Ans.(a)
- S94. Ans.(c)
- S95. Ans.(a)

- S96. Ans.(b)
- Sol. Meaningful group

Solutions (97-99):



- S97. Ans.(a)
- S98. Ans.(e)
- S99. Ans.(c)

S100. Ans.(d)

