

SBI Clerk Prelims Previous Year Paper 2022 Mock 4

Directions (1-5): Study the following information carefully and answer the given questions:

Seven persons P, Q, R, S, T, U and V are going for shopping on seven different days of the same week starting from Monday to Sunday but not necessarily in the same order. Each of them is going on one day of a week. Only two persons go for shopping between U and V. V goes after U. P goes immediately before R. Only two person goes between P and S who goes after V. Q goes before T. More than three persons go in between T and S.

Q1. Who among the following go on Wednesday?

- (a) U
- (b) R
- (c) S
- (d) P
- (e) None of these

Q2. Who among the following go exactly between P and V?

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

Q3. On which of the following day does T go?


- (a) Saturday
- (b) Tuesday
- (c) Friday
- (d) Thursday
- (e) None of these

Q4. Which among the following combination is true?

- (a) U- Thursday
- (b) V- Saturday
- (c) Q- Friday
- (d) P- Wednesday
- (e) None of these

Q5. How many persons were going before R?

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



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Directions (6-8): In each of the questions below some statements are given followed by some 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.

Q6. Statements:

No tree is neem.

No neem is root.

All neem is fruit.

Conclusion

I: No root is fruit.

II: Some tree are not fruit.

- (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.

Q7. Statements:

Only hp is dell.

Only a few core is hp.

Only a few intel is core.

Conclusion

I: No dell is core.

II: Some intel can be hp.

- (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.

Q8. Statements:

Only a few A are B.

All B are C.

No B is D.

Conclusion

I: Some C is not A.

II: Some A is not B.

- (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.

Directions (9-12): Read the following information and answer the question given below:

Seven boxes are placed one above the other in a shelf. Either two or five boxes are placed above box T. Three boxes are placed between box T and box S. Box R is placed just above box S. The number of boxes placed above box R is same as the number of boxes placed below box D. Box C is placed adjacent to box D. Box B is placed above box M.

Q9. How many boxes are placed below box M?

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

Q10. How many boxes are placed between box C and box B?

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

Q11. If all the boxes are arranged in alphabetical order from bottom to top, then how many boxes will remain same on their previous positions?

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

Q12. Which among the following box is placed at the bottommost position in the shelf?

- (a) Box C
- (b) Box D
- (c) None of these
- (d) Box S
- (e) Box M

Q13. In a class, Roma is 21st from the top and Sona is 17th from bottom. If three students are there between them, then find the total number of students in the class?

- (a) 40
- (b) 38
- (c) None of these
- (d) Can't be determined
- (e) 41

Directions (14-15): Read the following information and answer the given questions:

In a family of seven members with two generations, all males are married. The members are X, P, Q, Y, Z, A and B. X is brother-in-law of A. A has only two children and both are of different gender. Mother-in-law of Q is sister of X. Mother of P is sister-in-law of Y. P and B are of same gender.

Q14. According to the given information, B is the spouse of ____.

- (a) Q
- (b) X
- (c) A
- (d) Either Q or X
- (e) None of these

Q15. What is the relation of P with respect to B?

- (a) Daughter
- (b) Sister-in-law
- (c) Mother
- (d) Daughter-in-law
- (e) None of these

Directions (16-18): In these questions, relationship between different elements is shown in the statements. The statements are followed by two conclusions.

Give answer

Statement: $D \geq G \geq Y = P \geq N > E \geq L$

Q16. Conclusion I. $D \geq P$ **II.** $Y > L$

- (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

Statement: $B > Y \leq J \leq E = Q > F \geq G \geq H$

Q17. Conclusion I. $B > Q$ **II.** $J > H$

- (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

Statement: $A = B \leq C = D \leq E < F = G$

Q18. Conclusion I. $G > D$ **II.** $F \geq C$

- (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

Directions (19-23): Read the following number series carefully to answer the given questions:

264 945 748 457 523

Q19. If all the numbers are arranged in reverse order, then which of the following number will become 2nd from right end?

- (a) 457
- (b) 523
- (c) 264
- (d) 945
- (e) 748

Q20. What will be sum of all the digits of 3rd lowest number in the series?

- (a) 10
- (b) 19
- (c) 9
- (d) 12
- (e) None of these

Q21. If 1st digit is interchanged with 3rd digit within the numbers, then which among the following number will become the highest number?

- (a) 457
- (b) 945
- (c) 523
- (d) 264
- (e) 748

Q22. If all the digits (within the number) are arranged in ascending order from left, then how many numbers will become even numbers?

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

Q23. What will be the resultant if we add 2nd digit of each number?

- (a) 22
- (b) 21
- (c) 20
- (d) 31
- (e) None of these

Directions (24-26): Study the given information and answer the questions accordingly:

Reem went 8m towards east from her house, then she took a right turn and walked 6m. Now, she went 14m towards her left. From here, she took two consecutive left turns of 17m and 10m respectively and reached her office.

Q24. Reem's house is in which direction from Reem's office?

- (a) South-west
- (b) North-east
- (c) South
- (d) West
- (e) None of these

Q25. What is the total distance between Reem's office and Reem's house?

- (a) 54m
- (b) 56m
- (c) 35m
- (d) 55m
- (e) None of these

Q26. If a cafe is 11m south from reem's office, then what will be the shortest distance between Reem's house and cafe?

- (a) 18m
- (b) 12m
- (c) 16m
- (d) 22m
- (e) None of these

Directions (27-31): Study the following information and answer the questions given below.

Eight persons from A to H have joined different offices in different months i.e., June, July, August and September in the same year. They have joined on either 9th or 15th of the month. Only one person has joined the office on the given date. At most three and at least one person joined after C. A joined on 9th July. Three persons joined between H and D. B joined just before H but both joined in different months. E is the 2nd person to join after G.

Q27. Who joined just after C?

- (a) F
- (b) E
- (c) B
- (d) D
- (e) None of these

Q28. If all the persons are arranged in alphabetical order from June to September, then the position of how many persons will remain same?

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

Q29. Four of the following five are alike in a certain way and hence form a group. Who among the one that doesn't belong to that group?

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

Q30. Who among the following person joined on 15th June?

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

Q31. Number of persons joined between D and G is same as the number of persons joined between ___ and ___.

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

Directions (32-35): Study the following information carefully and answer the questions given below.

In a certain code language: -

"Commitment to quality product" is coded as "tc lc bd js"

"Quality must to good" is coded as "lc js ar ap"

"Good product quality maintained" is coded as "ar bd qy lc"

"Commitment to quality" is coded as "tc lc js"

Q32. What is the code for the word " Good"?

- (a) ap
- (b) js
- (c) ar
- (d) lc
- (e) Can't be determined

Q33. What is the code for the word "must"?

- (a) ap
- (b) ar
- (c) js
- (d) Either ap or js
- (e) Either ap or ar

Q34. Which of the following word is coded as “bd”?

- (a) Good
- (b) To
- (c) Quality
- (d) Product
- (e) None of these

Q35. What is the code for the word “Maintained To”?

- (a) qy lc
- (b) js bd
- (c) ar lc
- (d) None of these
- (e) qy js

Directions (36-50): What will come in the place of (?) mark in following question?

Q36. $30\% \text{ of } ? = 38 + \frac{147}{3}$

- (a) 281
- (b) 300
- (c) 290
- (d) 315
- (e) None of these

Q37. $\frac{272}{4} - 18 \times 6 + \sqrt[3]{1331} = ?$

- (a) -36
- (b) 36
- (c) -29
- (d) 29
- (e) None of these

Q38. $1512 \div 36 + 44 \times 32 = ?$

- (a) 1450
- (b) 1350
- (c) 1150
- (d) 1460
- (e) None of these

Q39. $32^2 - 9^3 + 29 = ?^2$

- (a) 16
- (b) 18
- (c) 20
- (d) 22
- (e) None of these

Q40. $13 \times ? \times 6 = 47^2 - \sqrt{625}$

- (a) 38
- (b) 48
- (c) 28
- (d) 58
- (e) None of these

Q41. $5 \times \sqrt{?} = 735 \div 3$

- (a) 9
- (b) 45
- (c) 2401
- (d) 81
- (e) 7

Q42. $(2^3 + 7^2) \div 2 \times 3 = ?$

- (a) 81.5
- (b) 85.5
- (c) 96.5
- (d) 86.5
- (e) None of these

Q43. $\sqrt{256} + \sqrt{784} = ? \times \sqrt{121}$

- (a) 4
- (b) 5
- (c) 3
- (d) 6
- (e) 2

Q44. $19\% \text{ of } 250 + ? = 2^7$

- (a) 80.5
- (b) 82.5
- (c) 83.5
- (d) 81.5
- (e) 84.5

Q45. $\frac{5}{8} \text{ of } \frac{4}{9} \text{ of } \frac{3}{5} \text{ of } 654 = ?$

- (a) 125
- (b) 127
- (c) 135
- (d) 109
- (e) 115

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Q46. $652 - 141 + 829 - 20\% \text{ of } 450 = ?$

- (a) 1100
- (b) 1250
- (c) 1800
- (d) 1080
- (e) 940

Q47. $? \times (42.5 + 87.5) = 2600$

- (a) 20
- (b) 6
- (c) 28
- (d) 65
- (e) 3

Q48. $(472 - 32) \times (144 + 256) \div (18 \times 15 \div 27) = ?$

- (a) 3200
- (b) 9800
- (c) 10800
- (d) 12300
- (e) 17600

Q49. $125\% \text{ of } 80 - \sqrt{3025} - ? = \sqrt{1024}$

- (a) 39
- (b) 7
- (c) 13
- (d) 54
- (e) 67

Q50. $3^2 \times 27^3 \div 9 \times 81^2 = 3^{?+4}$

- (a) 1
- (b) 4
- (c) 7
- (d) 13
- (e) 3

Directions (51-55): The table given below shows the information about the number of cars, number of two-wheelers and number of buses in three cities A, B and C. Study the table and answer the following questions.

Note: Each city has vehicles of only these three types.

City	No. of cars	No. of two-wheelers (compared to no. of cars)	Ratio of no. of cars to no. of buses
A	6000	120%	4 : 1
B	9000	110%	3 : 2
C	8000	150%	5 : 3

Q51. What is the difference between average number of buses in city A & B together and B & C together?

- (a) 1650
- (b) 2650
- (c) 1750
- (d) 2250
- (e) 2500

Q52. What is the ratio of number of four wheelers (buses + cars) in city A to the number of two wheelers in city C?

- (a) 3:8
- (b) 5:8
- (c) 4:7
- (d) 3:5
- (e) 5:7

Q53. The number of cars in city B is what percent of the total number of vehicles in the same city? (approximate value)

- (a) 25%
- (b) 30%
- (c) 36%
- (d) 40%
- (e) 48%

Q54. If 200 new buses are added in city C, then find the new percentage of buses in city C?

- (a) 10%
- (b) 23%
- (c) 25%
- (d) 20%
- (e) 15%

Q55. The number of two-wheelers in cities A & C together is how much less/more than the number of four-wheelers (car + buses) in cities B & C together?

- (a) 7600
- (b) 5600
- (c) 8600
- (d) 8500
- (e) 8000

Directions (56-60): In each of the following questions, two equations (I) and (II) are given. Solve the equations and mark the correct option:

Q56.

I. $12x^2 - 25x + 12 = 0$

II. $y^2 = \frac{1}{4}$

- (a) if $x > y$
- (b) if $x \geq y$
- (c) if $x < y$
- (d) if $x \leq y$
- (e) if $x = y$ or no relation can be established between x and y .

I. $x^2 + 14x + 48 = 0$

Q57. II. $y^2 + 17y + 72 = 0$

- (a) if $x > y$
- (b) if $x \geq y$
- (c) if $x < y$
- (d) if $x \leq y$
- (e) if $x = y$ or no relation can be established between x and y .

I. $4x^2 - 13x + 3 = 0$

Q58. II. $4y^2 - 15y + 14 = 0$

- (a) if $x > y$
- (b) if $x \geq y$
- (c) if $x < y$
- (d) if $x \leq y$
- (e) if $x = y$ or no relation can be established between x and y .

I. $3x^3 = -\frac{8}{9}$

Q59. II. $18y^2 + 21y + 5 = 0$

- (a) if $x > y$
- (b) if $x \geq y$
- (c) if $x < y$
- (d) if $x \leq y$
- (e) if $x = y$ or no relation can be established between x and y .

I. $2x^2 - 7x + 6 = 0$

Q60. II. $12y^2 - 31y + 20 = 0$

- (a) if $x > y$
- (b) if $x \geq y$
- (c) if $x < y$
- (d) if $x \leq y$
- (e) if $x = y$ or no relation can be established between x and y .

Q61. A garden is in the form a rectangle having its side (length and breadth) in the ratio 7:5 respectively and the area of the garden is 3500m^2 . Then find the perimeter of the garden.

- (a) 240 m
- (b) 140 m
- (c) 180 m
- (d) 290 m
- (e) 320 m

Q62. Average of eight numbers is 40 and average of first two numbers is 25. If the average of last four number is 40, then find the sum of third and fourth number?

- (a) 120
- (b) 110
- (c) 100
- (d) 90
- (e) 130

Q63. 8 men and 5 women together can complete the work in 5 days and 4 men and 4 women can complete the work in 8 days. In how many days 2 men and 2 women can complete the work?

- (a) 18 days
- (b) 8 days
- (c) 12 days
- (d) 16 days
- (e) 17 days

Q64. P, Q, and R started the business with the investment Rs.20,000, Rs. 25,000 and Rs.30,000 respectively. After 4 months P invested Rs.4,000 more and Q invested Rs. 3,000 more. At the end of the year profit earned by Q is Rs. 3,240. Then find the amount earned by R.

- (a) Rs 3,500
- (b) Rs 2,700
- (c) Rs 3,600
- (d) Rs 2,200
- (e) Rs 4,500

Q65. A boy is walking at a speed of 10 km/h along a railway track. If he is 800 m ahead of the train which is 400 m long and runs at a speed of 160 km/h in the same direction, then what is the time required to pass a boy?

- (a) 15.2 sec
- (b) 18.3 sec
- (c) 12.5 sec
- (d) 28.8 sec
- (e) 8.6 sec

Q66. Three pipes A, B and C are opened to fill a tank such that B and C can fill the tank alone 18 hours and 12 hours respectively and pipe A can empty it 15 hours. If after 5 hours pipe A is closed, then in how many hours the remaining tank will be filled?

- (a) None of these
- (b) 2 hours 50 min.
- (c) 1hours 45 min.
- (d) 1 hours 15 min.
- (e) 4 hours 36 min.

Q67. Neeraj buys an article for Rs. 3,000. He sold it at profit 20% & get some money and from that money he buys an article and got 25% loss. What was the profit / loss he got from the transaction?

- (a) Rs. 500 profits
- (b) Rs. 300 losses
- (c) Rs.300 profit
- (d) Rs. 500 losses
- (e) Neither profit nor loss

Q68. In an election between 2 candidates. If 10% of voter didn't vote and 15% vote are declared invalid out of total voters and the winner get 60% of the valid votes and gets 180 votes, then find the no. of voters in the voting list.

- (a) 400
- (b) 410
- (c) 435
- (d) 475
- (e) 480

Q69. A boat can travel with 60 km along the flow of a river in 6 hours. If it takes 10 hours to return the same distance, then what is the speed of the flow of the river?

- (a) 3.5 km/h
- (b) 2 km/h
- (c) 4 km/h
- (d) 1 km/h
- (e) 0.5 km/h

Q70. A mixture of milk and water containing 40 liters of water and y liters of milk. If 50 liters milk is added to the mixture. Then the ratio of milk and water in the resultant mixture become 3:2. Then find the value of y?

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

Directions (71-79): Read the given passage carefully and answer the following questions. Certain parts have been highlighted to help answer the questions.

The era of 21st century is often regarded as an era of technology. Technology, today, plays a very important role in our life. It is seen as a basis of growth of an economy. An economy which is poor in technology can never grow in today's_____. This is because technology makes our work much easier and less time consuming. The impact of technology can be felt in every possible field one such field is Education. According to the latest insights as to how exactly modern students of today prefer to use technology and how does their learning get an impact if they use technology, it was revealed that the use of modern equipment technology and tools, the learning and interactivity of students increases. They also find it much more interactive, as well as full of interesting areas, when aided by technology. The transfer of knowledge becomes very easy and convenient, as well as effective. What this means is, that our minds now tend to work faster when assisted with the use of modern technology, be it any part of life, here we talk about education. The reliance and dependence of such an **innovation**, that simply makes life an easy, smooth journey is completely unavoidable these days even in schools, universities and colleges.

Students today can make use of technology in the following ways: Internet connection and round the clock connectivity. The internet has grown in importance by many folds, over the process of decade. Its importance in the education world can now never be undermined. Despite the chances of fraud and drawbacks, the use of the internet is like a blessing for students. Today, the internet is something that is present in almost everything we use. From television to gaming consoles, and our phones, the **internet is literally everywhere**. The use of the internet allows students to find amazing convenience, they can find various kinds of help, tutorials and other kinds of assisting material which could be used to academically improve and enhance their learning. Visual images always have a strong appeal compared to words.

Using projectors and visuals to aid in learning is another form of great technological use. Top institutions around the world, now rely on the use of amazing PowerPoint presentations and projections in order to keep the learning interactive and interesting. Technological use such as projectors within the schools and colleges can take the interaction and interest levels right up and also improve motivation. Students like to see appealing visuals and something that entices them to think rather than just reading words. This way learning part also becomes pretty efficient when it comes to technology.

Q71. How does technology play an important role in an economy?

- (a) Technology makes all economic transactions cost-efficient by including fewer resources
- (b) Work can be done in a simple way and within less time using technology
- (c) Technology helps to keep all necessary economic data and information for long term thus making operation hassle free
- (d) Technology opens up new horizons in all fields of knowledge in economics
- (e) None of these

Q72. What is/are the impression(s) of technology in the education field?

- (a) Providing education becomes facile as well as effective using technology
- (b) Technology impels our minds to work faster
- (c) Technology makes students inclined to many interesting areas
- (d) Students' learning and interactivity increase when they use technology
- (e) All of these

Q73. In what way(s) internet helps students in their activities?

- (a) Visualization of images helps students in better learning and understanding
- (b) Internet is a means for students to get study notes which increase their learning
- (c) Through the online study materials internet brings convenience in students' life.
- (d) Only (a) and (c)
- (e) All of these

Q74. Why many institutions are preferring PPT for learning?

- (a) PowerPoint presentation is economical because it can be used many times unlike books
- (b) Elite institutions are making learning engrossing and interactive for students
- (c) They are trying to make learning accessible in rural and outskirts areas through PPT
- (d) Because PowerPoint presentation is a great way to save trees throughout the world
- (e) None of these

Q75. Why does the author mention that technology is making the learning part also efficient?

- (a) For the reason that students can approach many teachers and institutions simultaneously using technology
- (b) Since lockdown restricted students to their homes, technology emerged as a new medium of learning
- (c) Because students can use search engines using technology for further information on the subject-matter
- (d) Because students are looking forward to the way which persuades them to ponder instead of just reading
- (e) None of these

Q76. Which of the following statements is/are NOT TRUE as per the passage?

- (i) With the assistance of modern technology, human brains work faster
 - (ii) The emergence of the era of technology was witnessed in the 19th century
 - (iii) Students can avail of internet connection 24*7 whenever they want
- (a) Both (i) & (iii)
 - (b) Only (ii)
 - (c) Both (ii) & (iii)
 - (d) Only (iii)
 - (e) Only (i)

Q77. Which of the following words is the most suitable word for the given blank in the paragraph?

- (a) vindication
- (b) scenario
- (c) copious
- (d) repulsive
- (e) None of these

Q78. Which of the following words is an antonym of 'Innovation' given in the passage?

- (a) forge
- (b) tradition
- (c) rebuke
- (d) sullen
- (e) None of these

Q79. A phrase is given in bold in the passage. Find out which of the following words can be used as a one-word substitution of the given phrase?

- (a) pansophist
- (b) omnipresent
- (c) omnipotent
- (d) omniscient
- (e) None of these

Directions (80-84): 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 letter of that part is the answer. If there is no error, then choose option "No error" as your answer choice. (Ignore errors of punctuation, if any.)

Q80. If a theft has been commit (A)/ in a nationalised bank, (B)/ the local police station (C)/ will first investigate the crime (D)/ No Error (E)

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

Q81. State is already able (A)/ to provide mostly health services (B)/ in the public sector (C)/ with good effect (D)/ No Error (E)

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

Q82. The merger of services provide (A)/ an opportunity to redesign the training (B)/ for newly recruited (C)/ officers to make them future ready (D)/ No Error (E)

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

Q83. The pandemic has impacted (A)/ many young children across India (B)/due to the sporadic closure (C)/ of Anganwadi centers and private schools (D)/ No Error (E)

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

Q84. There are different (A)/ kind of software (B)/ licenses that allow (C)/ free use of software (D)/ No Error (E)

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

Directions (85-90): In the following passage, there are some highlighted words, each of which has been numbered. The highlighted words may or may not be used correctly in the given passage. Against each number, four options are given. Find the most appropriate word from the given options which could replace the highlighted word. If the highlighted word has been used correctly then 'No replacement required' will be your right answer choice.

Q85. City life is very modern life. There are many luxuries and comfortable **intensities** (85) in the city's life. The city is the most charming place that **beat** (86) people from rural areas. In the city, many people live comfortably because of cultural, economic, and commercial facilities. Lifestyle in the town attracts people to **mitigate** (87) from rural to urban life.

This is because when you live in the city, you have easy **excess** (88) to social amenities, entertainment facilities, and excellent infrastructure. The charm of city life is the major reason for the top level of migration from rural areas. However, **expelling** (89) to what people believe, living in the city has its pros and cons. Undoubtedly, life in a large city is lovely to see, but the negative side behind it is much more terrifying. The noise and bustle, smoke and dust, the air of haste and anxiety **aids** (90) the city life. A man living in the city life the most unpleasant. Accustomed to all his days, to quickly take his own life, he feels a stranger. He loses his hearing in constant noise and senses high voltage.

- (a) revival
- (b) seizure
- (c) amenities
- (d) ruinous
- (e) No replacement required

Q86. City life is very modern life. There are many luxuries and comfortable **intensities** (85) in the city's life. The city is the most charming place that **beat** (86) people from rural areas. In the city, many people live comfortably because of cultural, economic, and commercial facilities. Lifestyle in the town attracts people to **mitigate** (87) from rural to urban life.

This is because when you live in the city, you have easy **excess** (88) to social amenities, entertainment facilities, and excellent infrastructure. The charm of city life is the major reason for the top level of migration from rural areas. However, **expelling** (89) to what people believe, living in the city has its pros and cons. Undoubtedly, life in a large city is lovely to see, but the negative side behind it is much more terrifying. The noise and bustle, smoke and dust, the air of haste and anxiety **aids** (90) the city life. A man living in the city life the most unpleasant. Accustomed to all his days, to quickly take his own life, he feels a stranger. He loses his hearing in constant noise and senses high voltage.

- (a) attracts
- (b) appalls
- (c) invasions
- (d) dissipates
- (e) No replacement required

Q87. City life is very modern life. There are many luxuries and comfortable **intensities** (85) in the city's life. The city is the most charming place that **beat** (86) people from rural areas. In the city, many people live comfortably because of cultural, economic, and commercial facilities. Lifestyle in the town attracts people to **mitigate** (87) from rural to urban life.

This is because when you live in the city, you have easy **excess** (88) to social amenities, entertainment facilities, and excellent infrastructure. The charm of city life is the major reason for the top level of migration from rural areas. However, **expelling** (89) to what people believe, living in the city has its pros and cons. Undoubtedly, life in a large city is lovely to see, but the negative side behind it is much more terrifying. The noise and bustle, smoke and dust, the air of haste and anxiety **aids** (90) the city life. A man living in the city life the most unpleasant. Accustomed to all his days, to quickly take his own life, he feels a stranger. He loses his hearing in constant noise and senses high voltage.

- (a) assent
- (b) migrate
- (c) imperils
- (d) conveys
- (e) No replacement required

Q88. City life is very modern life. There are many luxuries and comfortable **intensities** (85) in the city's life. The city is the most charming place that **beat** (86) people from rural areas. In the city, many people live comfortably because of cultural, economic, and commercial facilities. Lifestyle in the town attracts people to **mitigate** (87) from rural to urban life.

This is because when you live in the city, you have easy **excess** (88) to social amenities, entertainment facilities, and excellent infrastructure. The charm of city life is the major reason for the top level of migration from rural areas. However, **expelling** (89) to what people believe, living in the city has its pros and cons. Undoubtedly, life in a large city is lovely to see, but the negative side behind it is much more terrifying. The noise and bustle, smoke and dust, the air of haste and anxiety **aids** (90) the city life. A man living in the city life the most unpleasant. Accustomed to all his days, to quickly take his own life, he feels a stranger. He loses his hearing in constant noise and senses high voltage.

- (a) resolute
- (b) perturb
- (c) access
- (d) outrage
- (e) No replacement required

Q89. City life is very modern life. There are many luxuries and comfortable **intensities** (85) in the city's life. The city is the most charming place that **beat** (86) people from rural areas. In the city, many people live comfortably because of cultural, economic, and commercial facilities. Lifestyle in the town attracts people to **mitigate** (87) from rural to urban life.

This is because when you live in the city, you have easy **excess** (88) to social amenities, entertainment facilities, and excellent infrastructure. The charm of city life is the major reason for the top level of migration from rural areas. However, **expelling** (89) to what people believe, living in the city has its pros and cons. Undoubtedly, life in a large city is lovely to see, but the negative side behind it is much more terrifying. The noise and bustle, smoke and dust, the air of haste and anxiety **aids** (90) the city life. A man living in the city life the most unpleasant. Accustomed to all his days, to quickly take his own life, he feels a stranger. He loses his hearing in constant noise and senses high voltage.

- (a) kudos
- (b) contrary
- (c) forbearance
- (d) apathy
- (e) No replacement required

Q90. City life is very modern life. There are many luxuries and comfortable **intensities** (85) in the city's life. The city is the most charming place that **beat** (86) people from rural areas. In the city, many people live comfortably because of cultural, economic, and commercial facilities. Lifestyle in the town attracts people to **mitigate** (87) from rural to urban life.

This is because when you live in the city, you have easy **excess** (88) to social amenities, entertainment facilities, and excellent infrastructure. The charm of city life is the major reason for the top level of migration from rural areas. However, **expelling** (89) to what people believe, living in the city has its pros and cons. Undoubtedly, life in a large city is lovely to see, but the negative side behind it is much more terrifying. The noise and bustle, smoke and dust, the air of haste and anxiety **aids** (90) the city life. A man living in the city life the most unpleasant. Accustomed to all his days, to quickly take his own life, he feels a stranger. He loses his hearing in constant noise and senses high voltage.

- (a) stung
- (b) esteem
- (c) convalesce
- (d) jolt
- (e) No replacement required

Directions (91-95): Which of the phrase/ word from the options (A), (B), (C) and (D) given below in each sentence should replace the phrase printed in bold letters to make the sentence grammatically correct? If the sentence is correct as it is, then mark option "No replacement required" as the answer.

Q91. The nutrition labelling system for food packets **will enables consumers to make** healthy choices.

- (a) will enable consumers to make
- (b) will enable consumers to made
- (c) will enable consumers to making
- (d) will enabling consumers to make
- (e) No replacement required

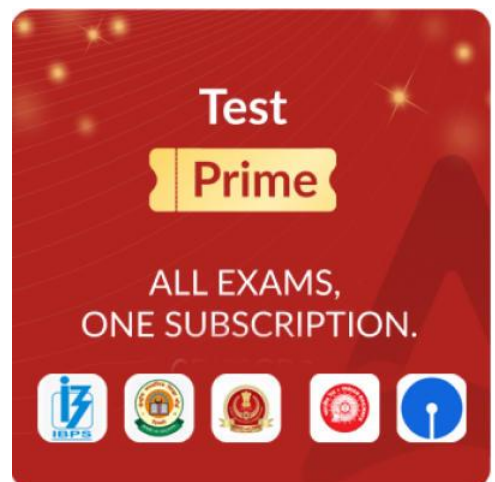
Q92. The growing concern over climate change **has led to globally efforts to electrify** the transportation sector.

- (a) have led to global efforts to electrify
- (b) has lead to global efforts to electrify
- (c) has led to global efforts to electrify
- (d) having led to global efforts to electrify
- (e) No replacement required

Q93. The novel coronavirus is still lurking and **it could triggers a** fresh wave of infections

- (a) it could triggered a
- (b) they could trigger a
- (c) it could trigger a
- (d) it could trigger many
- (e) No replacement required

Q94. RBI had decided to increase the policy interest rates **in a bid to curb accelerating** inflation.



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- (a) in a bid to curb accelerate
- (b) in a bids to curb accelerating
- (c) in a bid to curbing accelerating
- (d) in a bid to curbs accelerating
- (e) No replacement required

Q95. April services growth is at a five-month **high despite of inflation**

- (a) high in spite inflation
- (b) high despite inflation
- (c) high since inflation
- (d) high in spite by inflation
- (e) No replacement required

Directions (96-100): In each of the questions given below four words are given in bold. These words may or may not be in their correct position. Following each sentence four sequences are provided. Select the sequence of the words which will make the given sentence contextually meaningful. If the words are correct at their current position, then choose option (No rearrangement required) as your answer.

Q96. Mr. Naidu **overhaul (A)** the National Education Policy as a far-sighted blueprint that will **praised (B)** the country's educational **imparting (C)** by stressing the importance of **landscape (D)** education in one's mother tongue.

- (a) ACBD
- (b) BADC
- (c) CBAD
- (d) DACB
- (e) No rearrangement required

Q97. The year-long **participation (A)** festivities of Delhi University began with a **rise (B)** of its founders' day, which highlighted the university's **celebration (C)** from three colleges in 1922 to 90 institutions today, as well as its **centennial (D)** in the war for independence.

- (a) CBAD
- (b) ABDC
- (c) BCAD
- (d) DCBA
- (e) No rearrangement required

Q98. In line with the **transit (A)** for rehabilitating the **dwellers (B)**, the authorities directed residents to move to a **policy (C)** camp at Anand Parbat till the **completion (D)** of redevelopment work.

- (a) CBAD
- (b) ACDB
- (c) ADCB
- (d) DCBA
- (e) No rearrangement required

Q99. In India, the National Ayush Mission (NAM) was **launched (A)** in 2014 by the Department of Ayush, Ministry of Health and Family Welfare, to **promote (B)** Ayush systems and **address (C)** the needs of the sector in a **comprehensive (D)** way.

- (a) ACBD
- (b) CADB
- (c) DCAB
- (d) BACD
- (e) No rearrangement required

Q100. In **experimented (A)** search of his second **victory(B)** of the year, David Cone has **adjustment (C)** with every kind of **desperate (D)**, from tempo to grip to stance.

- (a) ACBD
- (b) BADC
- (c) BDAC
- (d) DBAC
- (e) No rearrangement required

Solutions

S1. Ans.(a)

Sol. From the given statements, only two persons go for shopping between U and V. V goes after U. P goes immediately before R. Only two person goes between P and S who goes after V. From this there will be three possible cases- Case 1, Case 2 and Case 3.

Days	Case-1	Case-2	Case-3
	Persons	Persons	Persons
Monday	U		
Tuesday	P	U	
Wednesday	R	P	U
Thursday	V	R	P
Friday	S	V	R
Saturday		S	V
Sunday			S

Q goes before T. More than three persons go in between T and S. So, from this case-1 and 2 gets eliminated. So, the final arrangement is-

Days	Persons
Monday	Q
Tuesday	T
Wednesday	U
Thursday	P
Friday	R
Saturday	V
Sunday	S

S2. Ans.(c)

Sol. From the given statements, only two persons go for shopping between U and V. V goes after U. P goes immediately before R. Only two person goes between P and S who goes after V. From this there will be three possible cases- Case 1, Case 2 and Case 3.

Days	Case-1	Case-2	Case-3
	Persons	Persons	Persons
Monday	U		
Tuesday	P	U	
Wednesday	R	P	U
Thursday	V	R	P
Friday	S	V	R
Saturday		S	V
Sunday			S

Q goes before T. More than three persons go in between T and S. So, from this case-1 and 2 gets eliminated. So, the final arrangement is-

Days	Persons
Monday	Q
Tuesday	T
Wednesday	U
Thursday	P
Friday	R
Saturday	V
Sunday	S

S3. Ans.(b)

Sol. From the given statements, only two persons go for shopping between U and V. V goes after U. P goes immediately before R. Only two person goes between P and S who goes after V. From this there will be three possible cases- Case 1, Case 2 and Case 3.

Days	Case-1	Case-2	Case-3
	Persons	Persons	Persons
Monday	U		
Tuesday	P	U	
Wednesday	R	P	U
Thursday	V	R	P
Friday	S	V	R
Saturday		S	V
Sunday			S

Q goes before T. More than three persons go in between T and S. So, from this case-1 and 2 gets eliminated. So, the final arrangement is-

Days	Persons
Monday	Q
Tuesday	T
Wednesday	U
Thursday	P
Friday	R
Saturday	V
Sunday	S

S4. Ans.(b)

Sol. From the given statements, only two persons go for shopping between U and V. V goes after U. P goes immediately before R. Only two person goes between P and S who goes after V. From this there will be three possible cases- Case 1, Case 2 and Case 3.

Days	Case-1	Case-2	Case-3
	Persons	Persons	Persons
Monday	U		
Tuesday	P	U	
Wednesday	R	P	U
Thursday	V	R	P
Friday	S	V	R
Saturday		S	V
Sunday			S

Q goes before T. More than three persons go in between T and S. So, from this case-1 and 2 gets eliminated. So, the final arrangement is-

Days	Persons
Monday	Q
Tuesday	T
Wednesday	U
Thursday	P
Friday	R
Saturday	V
Sunday	S

S5. Ans.(d)

Sol. From the given statements, only two persons go for shopping between U and V. V goes after U. P goes immediately before R. Only two person goes between P and S who goes after V. From this there will be three possible cases- Case 1, Case 2 and Case 3.

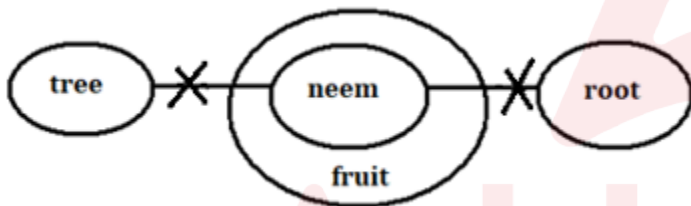
Days	Case-1	Case-2	Case-3
	Persons	Persons	Persons
Monday	U		
Tuesday	P	U	
Wednesday	R	P	U
Thursday	V	R	P
Friday	S	V	R
Saturday		S	V
Sunday			S

Q goes before T. More than three persons go in between T and S. So, from this case-1 and 2 gets eliminated. So, the final arrangement is-

Days	Persons
Monday	Q
Tuesday	T
Wednesday	U
Thursday	P
Friday	R
Saturday	V
Sunday	S

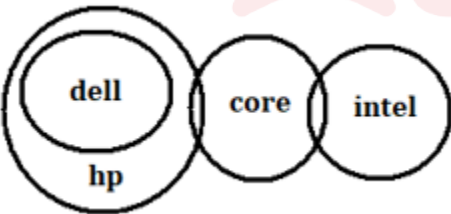
S6. Ans.(d)

Sol.



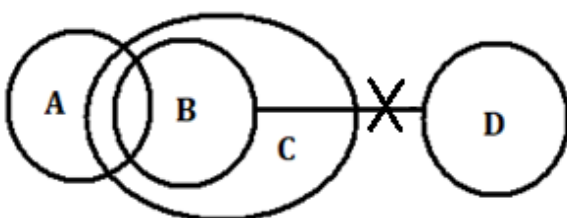
S7. Ans.(e)

Sol.



S8. Ans.(b)

Sol.



S9. Ans.(b)

Sol. Either two or five boxes are placed above box T. There are two possible cases. Three boxes are placed between box T and box S.

Boxes	Boxes
Case 1	Case 2
	S
T	
	T
S	

Box R is placed just above box S. The number of boxes placed above box R is same as the number of boxes placed below box D. Box C is placed adjacent to box D. Case 2 will eliminate here.

Boxes	Boxes
Case 1	Case 2
C	R
D	S
T	
R	T
S	D

Box B is placed above box M. So, the final arrangement is:

Boxes
C
D
T
B
M
R
S

Two boxes are placed below box M.

S10. Ans.(a)

Sol. Either two or five boxes are placed above box T. There are two possible cases. Three boxes are placed between box T and box S.

Boxes	Boxes
Case 1	Case 2
	S
T	
	T
S	

Box R is placed just above box S. The number of boxes placed above box R is same as the number of boxes placed below box D. Box C is placed adjacent to box D. Case 2 will eliminate here.

Boxes	Boxes
Case 1	Case-2
C	R
D	S
T	
R	T
S	D

Box B is placed above box M. So, the final arrangement is:

Boxes
C
D
T
B
M
R
S

Two boxes are placed between box C and box B.

S11. Ans.(e)

Sol. Either two or five boxes are placed above box T. There are two possible cases. Three boxes are placed between box T and box S.

Boxes	Boxes
Case 1	Case 2
	S
T	
	T
S	

Box R is placed just above box S. The number of boxes placed above box R is same as the number of boxes placed below box D. Box C is placed adjacent to box D. Case 2 will eliminate here.

Boxes	Boxes
Case 1	Case-2
C	R
D	S
T	
R	T
S	D

Box B is placed above box M. So, the final arrangement is:

Boxes
C
D
T
B
M
R
S

After arranging in alphabetical order from bottom to top, no box will remain same on their previous positions.

S12. Ans.(d)

Sol. Either two or five boxes are placed above box T. There are two possible cases. Three boxes are placed between box T and box S.

Boxes Case 1	Boxes Case 2
	S
T	
	T
S	

Box R is placed just above box S. The number of boxes placed above box R is same as the number of boxes placed below box D. Box C is placed adjacent to box D. Case 2 will eliminate here.

Boxes Case 1	Boxes Case 2
C	R
D	S
T	
R	T
S	D

Box B is placed above box M. So, the final arrangement is:

Boxes
C
D
T
B
M
R
S

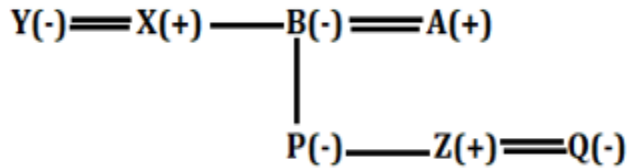
Box S is placed at the bottommost position in the shelf.

S13. Ans.(d)

Sol. we can't define the exact number of students in the class. Because either '41' or '33' students can be in the class.

S14. Ans.(c)

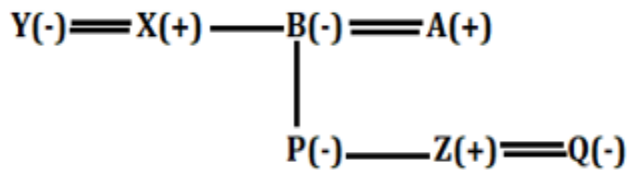
Sol.



B is the spouse of A.

S15. Ans.(a)

Sol.



P is the daughter of B.

S16. Ans.(e)

Sol. I. $D \geq P$ (true) II. $Y > L$ (true)

S17. Ans.(d)

Sol. I. $B > Q$ (false) II. $J > H$ (false)

S18. Ans.(a)

Sol. I. $G > D$ (true) II. $F \geq C$ (false)

S19. Ans.(d)

Sol. Series in reverse order= 523 457 748 **945** s264

S20. Ans.(a)

Sol. Third lowest number= 523; Sum= $5+2+3=10$

S21. Ans.(e)

Sol. New series= 462549 **847** 754 325

S22. Ans.(c)

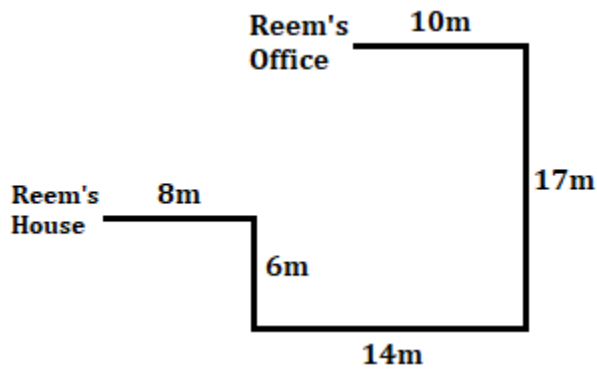
Sol. New series= **246** 459 **478** 457 235

S23. Ans.(b)

Sol. Sum= 6+4+4+5+2= 21

S24. Ans.(a)

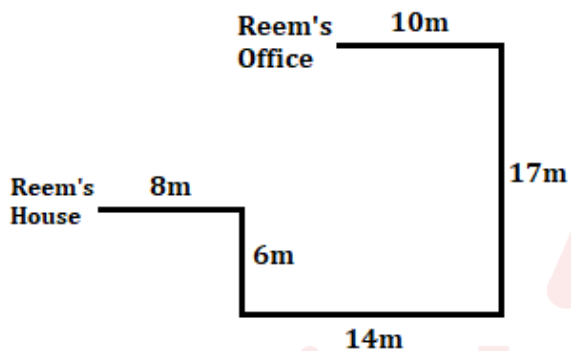
Sol.



Reem's house is in south-west direction from Reem's office.

S25. Ans.(d)

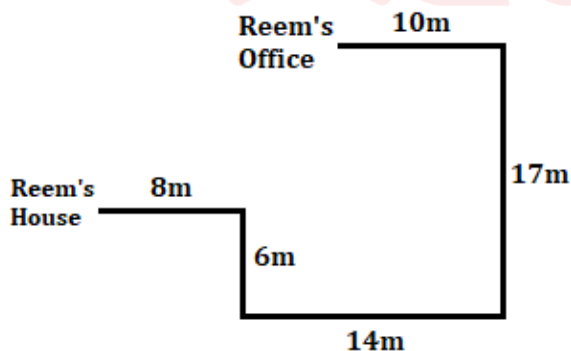
Sol.



Total distance= 8+6+14+17+10= 55m

S26. Ans.(b)

Sol.



The shortest distance between Reem's house and cafe will be 12m.

S27. Ans.(b)

Sol. At most three and at least one person joined after C. A joined on 9th July. There are three possible cases:-

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Months	Dates	Persons	Persons	Persons
		Case 1	Case 2	Case 3
June	9			
	15			
July	9	A	A	A
	15			
August	9	C		
	15		C	
September	9			C
	15			

Three persons joined between H and D. B joined just before H but both joined in different months. Here, case 1 is cancelled as there is no place left for D as per the condition.

Months	Dates	Persons	Persons	Persons
		Case 1	Case 2	Case 3
June	9		D	D
	15			
July	9	A	A	A
	15		B	B
August	9	G	H	H
	15	B	C	
September	9	H		C
	15			

E is the 2nd person to join after G, so case 2 is cancelled here because there is no place for E and G as per this condition.

Months	Dates	Persons	Persons
		Case 2	Case 3
June	9	D	D
	15		
July	9	A	A
	15	B	B
August	9	H	H
	15	G	G
September	9		C
	15		E

We know, F is one of the persons thus the final arrangement is: -

Months	Dates	Persons
June	9	D
	15	F
July	9	A
	15	B
August	9	H
	15	G
September	9	C
	15	E

E joined just after C.

S28. Ans.(a)

Sol. At most three and at least one person joined after C. A joined on 9th July. There are three possible cases:-

Months	Dates	Persons	Persons	Persons
		Case 1	Case 2	Case 3
June	9			
	15			
July	9	A	A	A
	15			
August	9	C		
	15		C	
September	9			C
	15			

Three persons joined between H and D. B joined just before H but both joined in different months. Here, case 1 is cancelled as there is no place left for D as per the condition.

Months	Dates	Persons	Persons	Persons
		Case 1	Case 2	Case 3
June	9		D	D
	15			
July	9	A	A	A
	15		B	B
August	9	C	H	H
	15	B	C	
September	9	H		C
	15			

E is the 2nd person to join after G, so case 2 is cancelled here because there is no place for E and G as per this condition.

Months	Dates	Persons	Persons
		Case 2	Case 3
June	9	D	D
	15		
July	9	A	A
	15	B	B
August	9	H	H
	15	C	G
September	9		C
	15		E

We know, F is one of the persons thus the final arrangement is: -

Months	Dates	Persons
June	9	D
	15	F
July	9	A
	15	B
August	9	H
	15	G
September	9	C
	15	E

No one remains at the same position.

Months	Dates	Persons	Alphabetical order
June	9	D	A
	15	F	B
July	9	A	C
	15	B	D
August	9	H	E
	15	G	F
September	9	C	G
	15	E	H

S29. Ans.(c)

Sol. At most three and at least one person joined after C. A joined on 9th July. There are three possible cases:-

Months	Dates	Persons	Persons	Persons
		Case 1	Case 2	Case 3
June	9			
	15			
July	9	A	A	A
	15			
August	9	C		
	15		C	
September	9			C
	15			

Three persons joined between H and D. B joined just before H but both joined in different months. Here, case 1 is cancelled as there is no place left for D as per the condition.

Months	Dates	Persons	Persons	Persons
		Case-1	Case 2	Case 3
June	9		D	D
	15			
July	9	A	A	A
	15		B	B
August	9	C	H	H
	15	B	C	
September	9	H		C
	15			

E is the 2nd person to join after G, so case 2 is cancelled here because there is no place for E and G as per this condition.

Months	Dates	Persons	Persons
		Case-2	Case 3
June	9	D	D
	15		
July	9	A	A
	15	B	B
August	9	H	H
	15	C	G
September	9		C
	15		E

We know, F is one of the persons thus the final arrangement is: -

Months	Dates	Persons
June	9	D
	15	F
July	9	A
	15	B
August	9	H
	15	G
September	9	C
	15	E

Except F, all of them joined on 9th of different month.

S30. Ans.(e)

Sol. At most three and at least one person joined after C. A joined on 9th July. There are three possible cases:-

Months	Dates	Persons	Persons	Persons
		Case 1	Case 2	Case 3
June	9			
	15			
July	9	A	A	A
	15			
August	9	C		
	15		C	
September	9			C
	15			

Three persons joined between H and D. B joined just before H but both joined in different months. Here, case 1 is cancelled as there is no place left for D as per the condition.

Months	Dates	Persons	Persons	Persons
		Case 1	Case 2	Case 3
June	9		D	D
	15			
July	9	A	A	A
	15		B	B
August	9	C	H	H
	15	B	C	
September	9	H		C
	15			

E is the 2nd person to join after G, so case 2 is cancelled here because there is no place for E and G as per this condition.

Months	Dates	Persons	Persons
		Case 2	Case 3
June	9	D	D
	15		
July	9	A	A
	15	B	B
August	9	H	H
	15	G	G
September	9		C
	15		E

We know, F is one of the persons thus the final arrangement is: -

Months	Dates	Persons
June	9	D
	15	F
July	9	A
	15	B
August	9	H
	15	G
September	9	C
	15	E

F joined on 15th June.

S31. Ans.(d)

Sol. At most three and at least one person joined after C. A joined on 9th July. There are three possible cases:-

Months	Dates	Persons	Persons	Persons
		Case 1	Case 2	Case 3
June	9			
	15			
July	9	A	A	A
	15			
August	9	C		
	15		C	
September	9			C
	15			

Three persons joined between H and D. B joined just before H but both joined in different months. Here, case 1 is cancelled as there is no place left for D as per the condition.

Months	Dates	Persons	Persons	Persons
		Case 1	Case 2	Case 3
June	9		D	D
	15			
July	9	A	A	A
	15		B	B
August	9	C	H	H
	15	B	C	
September	9	H		C
	15			

E is the 2nd person to join after G, so case 2 is cancelled here because there is no place for E and G as per this condition.

Months	Dates	Persons	Persons
		Case-2	Case 3
June	9	D	D
	15		
July	9	A	A
	15	B	B
August	9	H	H
	15	G	G
September	9		C
	15		E

We know, F is one of the persons thus the final arrangement is: -

Months	Dates	Persons
June	9	D
	15	F
July	9	A
	15	B
August	9	H
	15	G
September	9	C
	15	E

Number of persons joined between D and G is same as the number of persons joined between F and C.

S32. Ans.(c)

Sol.

Words	Codes
Commitment	Tc
To	Js
Quality	Lc
Product	Bd
Must	ap
Good	Ar
Maintained	Qy

S33. Ans.(a)

Sol.

Words	Codes
Commitment	Tc
To	Js
Quality	Lc
Product	Bd
Must	ap
Good	Ar
Maintained	Qy

S34. Ans.(d)

Sol.

Words	Codes
Commitment	Tc
To	Js
Quality	Lc
Product	Bd
Must	ap
Good	Ar
Maintained	Qy

S35. Ans.(e)

Sol.

Words	Codes
Commitment	Tc
To	Js
Quality	Lc
Product	Bd
Must	ap
Good	Ar
Maintained	Qy

S36. Ans.(c)

Sol.

$$30\% \text{ of } ? = 38 + \frac{147}{3}$$

$$\frac{30}{100} \times ? = 38 + 49$$

$$30 \times ? = 87 \times 100$$

$$? = 87 \times \frac{100}{30}$$

$$? = 290$$

S37. Ans.(c)

Sol.

$$\frac{272}{4} - 18 \times 6 + \sqrt[3]{1331} = ?$$

$$68 - 108 + 11 = ?$$

$$? = -29$$

S38. Ans.(a)

Sol.

$$1512 \div 36 + 44 \times 32 = ?$$

$$42 + 1408 = ?$$

$$1450 = ?$$

S39. Ans.(b)

Sol.

$$32^2 - 9^3 + 29 = ?^2$$

$$1024 - 729 + 29 = ?^2$$

$$324 = ?^2$$

$$18 = ?$$

S40. Ans.(c)

Sol.

$$13 \times ? \times 6 = 47^2 - \sqrt{625}$$

$$78 \times ? = 2209 - 25$$

$$78 \times ? = 2184$$

$$? = 2184 \div 78$$

$$? = 28$$

S41. Ans.(c)

Sol.

$$5 \times \sqrt{?} = 245$$

$$\sqrt{?} = 49$$

$$? = 2401$$

S42. Ans.(b)

Sol.

$$(2^3 + 7^2) \div 2 \times 3 = ?$$

$$? = (8 + 49) \div 2 \times 3$$

$$? = (57 \div 2) \times 3$$

$$? = 28.5 \times 3 = 85.5$$

S43. Ans.(a)

Sol.

$$\sqrt{256} + \sqrt{784} = ? \times \sqrt{121}$$

$$16 + 28 = ? \times 11$$

$$? = \frac{44}{11} = 4$$

S44. Ans.(a)

Sol.

$$19 \% \text{ of } 250 + ? = 2^7$$

$$\frac{19}{100} \times 250 + ? = 128$$

$$19 \times 2.5 + ? = 128$$

$$47.5 + ? = 128$$

$$? = 128 - 47.5$$

$$? = 80.5$$

S45. Ans.(d)

Sol.

$$\frac{5}{8} \text{ of } \frac{4}{9} \text{ of } \frac{3}{5} \text{ of } 654 = ?$$

$$\frac{5}{8} \times \frac{4}{9} \times \frac{3}{5} \times 654 = ?$$

$$109 = ?$$

S46. Ans.(b)

Sol.

$$652 - 141 + 829 - 20\% \text{ of } 450 = ?$$

$$1340 - 90 = ?$$

$$1250 = ?$$

S47. Ans.(a)

Sol.

$$? \times (42.5 + 87.5) = 2600$$

$$? \times (130) = 2600$$

$$? = 20$$

S48. Ans.(e)

Sol.

$$(472 - 32) \times (144 + 256) \div (18 \times 15 \div 27) = ?$$
$$(440) \times (400) \div (10) = ?$$
$$17600 = ?$$

S49. Ans.(c)

Sol.

$$125\% \text{ of } 80 - \sqrt{3025} - ? = \sqrt{1024}$$
$$\frac{125}{100} \times 80 - 55 - ? = 32$$
$$100 - 55 - ? = 32$$
$$? = 13$$

S50. Ans.(d)

Sol.

$$3^2 \times 27^3 \div 9 \times 81^2 = 3^{?+4}$$
$$3^2 \times 3^9 \div 3^2 \times 3^8 = 3^{?+4}$$
$$2 + 9 - 2 + 8 = ? + 4$$
$$? = 13$$

S51. Ans.(a)

Sol.

$$\text{No. of buses in city A} = \frac{6000}{4} \times 1 = 1500$$
$$\text{No. of buses in city B} = \frac{9000}{3} \times 2 = 6000$$
$$\text{No. of buses in city C} = \frac{8000}{5} \times 3 = 4800$$
$$\text{Req. difference} = \left(\frac{4800+6000}{2} \right) - \left(\frac{1500+6000}{2} \right) = 1650$$

S52. Ans.(b)

Sol.

$$\text{No. of four wheelers in city A}$$
$$= 6000 + \frac{6000}{4} \times 1$$
$$= 7500$$
$$\text{No. of two wheelers in city C}$$
$$= 8000 \times \frac{150}{100}$$
$$= 12000$$
$$\text{Required ratio} = \frac{7500}{12000} = \frac{5}{8}$$

S53. Ans.(c)

Sol.

$$\text{Required \%} = \frac{9000}{\left(\frac{9000}{3} \times 5 + 9000 \times \frac{110}{100} \right)} \times 100$$
$$= \frac{9000}{9000 \left(\frac{5}{3} + \frac{11}{10} \right)} \times 100$$
$$= \frac{30}{83} \times 100 = 36.144\% \approx 36\%$$

S54. Ans.(d)

Sol.

No. of buses in city C (after addition)

$$= \frac{8000}{5} \times 3 + 200$$

$$= 5000$$

Total no. of vehicles in city C

$$= 8000 + 5000 + 8000 \times \frac{150}{100}$$

$$= 13000 + 12000$$

$$= 25000$$

$$\text{Required\%} = \frac{5000}{25000} \times 100 = 20\%$$

S55. Ans.(c)

Sol.

No. of two-wheelers in cities A and C

$$= 6000 \times \frac{120}{100} + 8000 \times \frac{150}{100}$$

$$= 7200 + 12000$$

$$= 19200$$

No. of four-wheelers in cities B and C

$$= \frac{9000}{3} \times 5 + \frac{8000}{5} \times 8$$

$$= 15000 + 12800$$

$$= 27800$$

$$\text{Required difference} = 27800 - 19200 = 8600$$

S56. Ans.(a)

Sol.

$$\text{I. } 12x^2 - 25x + 12 = 0$$

$$12x^2 - 16x - 9x + 12 = 0$$

$$4x(3x - 4) - 3(3x - 4) = 0$$

$$(4x - 3)(3x - 4) = 0$$

$$x = \frac{3}{4}, \frac{4}{3}$$

$$\text{II. } y^2 = \frac{1}{4}$$

$$y = \pm \frac{1}{2}$$

$$\text{So, } x > y$$

S57. Ans.(b)

Sol.

$$\text{I. } x^2 + 14x + 48 = 0$$

$$x^2 + 8x + 6x + 48 = 0$$

$$x(x + 8) + 6(x + 8) = 0$$

$$(x + 8)(x + 6) = 0$$

$$x = -8, -6$$

$$\text{II. } y^2 + 17y + 72 = 0$$

$$y^2 + 8y + 9y + 72 = 0$$

$$y(y + 8) + 9(y + 8) = 0$$

$$(y + 8)(y + 9) = 0$$

$$y = -8, -9$$

$$\text{So, } x \geq y$$

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S58. Ans.(e)

Sol.

$$\text{I. } 4x^2 - 13x + 3 = 0$$

$$4x^2 - 13x + 3 = 0$$

$$4x^2 - 12x - x + 3 = 0$$

$$4x(x - 3) - 1(x - 3) = 0$$

$$(4x - 1)(x - 3) = 0$$

$$x = \frac{1}{4}, 3$$

$$\text{II. } 4y^2 - 15y + 14 = 0$$

$$4y^2 - 15y + 14 = 0$$

$$4y^2 - 8y - 7y + 14 = 0$$

$$4y(y - 2) - 7(y - 2) = 0$$

$$(4y - 7)(y - 2) = 0$$

$$y = \frac{7}{4}, 2$$

So, no relation can be established

S59. Ans.(e)

Sol.

$$\text{I. } 3x^3 = -\frac{8}{9}$$

$$x^3 = -\frac{8}{27}$$

$$x = -\frac{2}{3}$$

$$\text{II. } 18y^2 + 21y + 5 = 0$$

$$18y^2 + 6y + 15y + 5 = 0$$

$$6y(3y + 1) + 5(3y + 1) = 0$$

$$(6y + 5)(3y + 1) = 0$$

$$y = -\frac{5}{6}, -\frac{1}{3}$$

So, no relation can be established.

S60. Ans.(a)

Sol.

$$\text{I. } 2x^2 - 7x + 6 = 0$$

$$2x^2 - 4x - 3x + 6 = 0$$

$$2x(x - 2) - 3(x - 2) = 0$$

$$(2x - 3)(x - 2) = 0$$

$$x = \frac{3}{2}, 2$$

$$\text{II. } 12y^2 - 31y + 20 = 0$$

$$12y^2 - 16y - 15y + 20 = 0$$

$$4y(3y - 4) - 5(3y - 4) = 0$$

$$(4y - 5)(3y - 4) = 0$$

$$y = \frac{5}{4}, \frac{4}{3}$$

So, $x > y$

S61. Ans.(a)

Sol.

Ratio of length and breadth

$$= 7u:5u$$

Area = length \times breadth

$$3500 = 7u \times 5u$$

$$u = 10m$$

$$\text{length} = 7u = 7 \times 10 = 70 \text{ m}, \text{ breadth} = 5u = 5 \times 10 = 50m$$

$$\text{perimeter} = 2(\text{length} + \text{breadth})$$

$$= 2(70 + 50)$$

$$= 240 \text{ m}$$

S62. Ans.(b)

Sol.

Let the sum of third and fourth number be x.

$$\frac{2 \times 25 + x + 4 \times 40}{8} = 40$$

$$50 + x + 160 = 320$$

$$x = 110$$

S63. Ans.(d)

Sol.

Let efficiency of men = m

Efficiency of Women = w

$$(8m + 5w)5 = (4m + 4w)8$$

$$40m + 25w = 32m + 32w$$

$$8m = 7w$$

$$\frac{m}{w} = \frac{7}{8}$$

$$\text{Total work} = (8 \times 7 + 5 \times 8)5 = 480$$

2 men and 2 women can complete the work

$$\frac{480}{2 \times 7 + 2 \times 8} = \frac{480}{30} = 16 \text{ days}$$

S64. Ans.(c)

Sol.

= Profit share ratio of P, Q and R

$$= 20,000 \times 4 + 24,000 \times 8 : 25,000 \times 4 + 28,000 \times 8 : 30,000 \times 12$$

$$= 68:81:90$$

$$= 68u:81u:90u$$

$$81u = 3240$$

$$1u = 40$$

$$\text{Amount earned by R} = 90u = 90 \times 40 = \text{Rs.}3600$$

S65. Ans.(d)

Sol.

Speed of boy = 10 km/h

Speed of train = 160 km/h

Speed of train relative to walking boy = $(160 - 10)$ km/h = 150 km/h

Km/h change into m/sec = $150 \times \frac{5}{18}$

According to question.

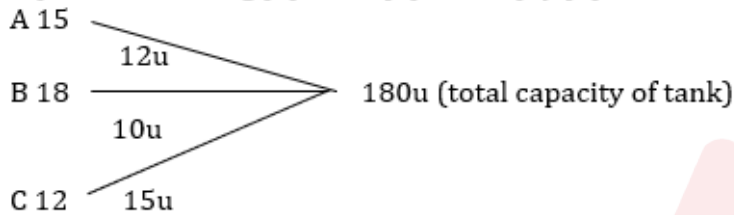
$$\frac{(800+400)}{150 \times \frac{5}{18}} = \frac{(800+400) \times 18}{150 \times 5} = \frac{144}{5}$$

= 28.8 sec

S66. Ans.(e)

Sol.

Pipe B and C filling pipe and pipe A empty pipe



All the pipe opened together for 5 hours = $(15+10-12) \times 5 = 13u \times 5 = 65u$ (filled)

$180u - 65u = 115u$ (remaining)

Pipe A closed and remaining tank filled by Pipe B&C

$$\frac{115}{25} = \frac{23}{5} = 4 \text{ hours } 36 \text{ min.}$$

S67. Ans.(b)

Sol.

Neeraj got 20% profit

So, S.P. = $3000 \times \frac{120}{100} = \text{Rs. } 3,600$

He again buys an article and got 25% loss

So, S.P. = $3,600 \times \frac{75}{100} = \text{Rs. } 2,700$

Total loss = initial c.p. - final s.p.

= $3,000 - 2,700 = \text{Rs } 300$

S68. Ans.(a)

Sol.

Let the no. of voters = 100u

10% of voter didn't vote and 15% vote are declared invalid

Valid vote = $100u - 25u = 75u$

According to ques.

$$75u \times \frac{60}{100} = 45u$$

$$45u = 180$$

$$1u = 4$$

$$100u = 100 \times 4 = 400$$

S69. Ans.(b)

Sol.

$$\text{Rate of downstream} = \frac{60}{6} = 10 \text{ km/h}$$

$$\text{Rate of upstream} = \frac{60}{10} = 6 \text{ km/h}$$

$$\text{Speed of current} = \frac{1}{2} (\text{downstream rate} - \text{upstream rate})$$

$$= \frac{1}{2} (10 - 6)$$

$$= \frac{1}{2} \times 4 = 2 \text{ km/h}$$

S70. Ans.(d)

Sol.

According to question.

$$\frac{y + 50}{40} = \frac{3}{2}$$

$$y = 10 \text{ liters}$$

S71. Ans.(b)

Sol. To validate the answer refer to the first paragraph which mentions, "This is because technology makes our work much easier and less time consuming."

S72. Ans.(e)

Sol. To validate the answer, refer to the first paragraph which mentions, "According to the latest insights as to how exactly modern..... What this means is, that our minds now tend to work faster when assisted with the use of modern technology, be it any part of life, here we talk about education.."

S73. Ans.(e)

Sol. Refer to the second paragraph which mentions, "The use of the internet allows students to find amazing convenience, they can find various kinds of help, tutorials and other kinds of assisting material which could be used to academically improve and enhance their learning. Visual images always have a strong appeal compared to words."

S74. Ans.(b)

Sol. Refer to the last paragraph which mentions, "Top institutions around the world, now rely on the use of amazing PowerPoint presentations and projections in order to keep the learning interactive and interesting."

S75. Ans.(d)

Sol. Refer to the last paragraph which mentions, "Students like to see appealing visuals and something that entices them to think rather than just reading words. This way learning part also becomes pretty efficient when it comes to technology."

S76. Ans.(b)

Sol. Both statements (i) and (iii) are true while statement (ii) is incorrect.

For statement (i), refer to the first paragraph which mentions, "What this means is, that our minds now tend to work faster when assisted with the use of modern technology, be it any part of life, here we talk about education"

For statement (ii), refer to the first paragraph which mentions, "The era of 21st century is often regarded as an era of technology."

For statement (iii), refer to the second paragraph which mentions, "Students today can make use of technology in the following ways: Internet connection and round the clock connectivity."

S77. Ans.(b)

Sol. The correct word for the given blank is 'scenario'

vindication means the action of clearing someone of blame or suspicion.

scenario means a written outline of a film, novel, or stage work giving details of the plot and individual scenes.

copious means abundant in supply or quantity.

repulsive means arousing intense distaste or disgust.

S78. Ans.(b)

Sol. 'Tradition' is an antonym of 'innovation'

innovation means a new method, idea, product, etc.

forge means make or shape (a metal object) by heating it in a fire or furnace and hammering it.

tradition means a long-established custom or belief that has been passed on from one generation to another.

rebuke means express sharp disapproval or criticism of (someone) because of their behaviour or action

sullen means bad-tempered and sulky.

S79. Ans.(b)

Sol. The correct word which can be used as a one-word substitution of the phrase is 'omnipresent' which means widely or constantly encountered; widespread.

pansophist means one claiming or pretending to universal knowledge.

omnipotent means (of a deity) having unlimited power.

omniscient means knowing everything.

S80. Ans.(a)

Sol. The error lies in part (A). The sentence should follow the syntax of passive voice. Hence the correct passive voice structure of a sentence in present perfect tense is 'has/have+ been + v3'. Therefore 'commit' should be 'committed'.

S81. Ans.(b)

Sol. The error lies in part (B). Here 'mostly' (adverb) should be replaced with 'most' (determiner) to modify noun 'health services'

S82. Ans.(a)

Sol. The error lies in part (A). Here verb 'provide' should be replaced with 'provides' as we need singular verb here for the noun 'merger'.

S83. Ans.(e)

Sol. The given sentence is error-free.

S84. Ans.(b)

Sol. The error is in part (B). Here 'kind' should be 'kinds' because the word 'different' indicates plural noun.

S85. Ans.(c)

Sol. The given sentence is talking about comfortable facilities available in the city's life. Therefore, the highlighted word is incorrect and its correct replacement is 'amenities'

intensities mean the measurable amount of a property, such as force, brightness, or a magnetic field.

amenities means a desirable or useful feature or facility of a building or place.

revival means an improvement in the condition, strength, or fortunes of someone or something.

seizure means the action of capturing someone or something using force.

ruinous means disastrous or destructive.

S86. Ans.(a)

Sol. The given sentence is talking about the city which is a charming place and attracts many people from rural areas. Therefore, the highlighted word is incorrect and its correct replacement is 'attracts'

beat means strike (an object) repeatedly so as to make a noise.

appalls means greatly dismay or horrify.

invasions mean an instance of invading a country or region with an armed force.

dissipates means disappear or cause to disappear

S87. Ans.(b)

Sol. The given sentence is talking about lifestyle of towns which attracts people to move from rural to urban areas. Therefore the highlighted word is incorrect and its correct replacement is 'migrate'

mitigate means make (something bad) less severe, serious, or painful.

migrate means move to a new area or country in order to find work or better living conditions.

assent means the expression of approval or agreement.

imperils means put at risk of being harmed, injured, or destroyed.

conveys means make (an idea, impression, or feeling) known or understandable.

S88. Ans.(c)

Sol. The given sentence is talking about reachability to social amenities in cities. Therefore the highlighted word is incorrect and its correct replacement is 'access'

access means the right or opportunity to use or benefit from something.

excess means an amount of something that is more than necessary, permitted, or desirable.

resolute means admirably purposeful, determined, and unwavering.

perturb means make (someone) anxious or unsettled.

outrage means an extremely strong reaction of anger, shock, or indignation.

S89. Ans.(b)

Sol. The given sentence is talking about the fact that opposite to what people believe, living in the city has its pros and cons. Therefore the highlighted word is incorrect and its correct replacement is 'contrary'

expelling means officially make (someone) leave a school or other organization.

kudos means praise and honour received for an achievement.

contrary means perversely inclined to disagree or to do the opposite of what is expected or desired.

forbearance means patient self-control; restraint and tolerance.

apathy means lack of interest, enthusiasm, or concern.

S90. Ans.(a)

Sol. The given sentence is talking about the disturbances which upset the city life. Therefore the highlighted word is incorrect and its correct replacement is 'stung'

stung means (typically of something said) hurt or upset (someone).

aids means help or support (someone or something) in the achievement of something.

esteem means respect and admiration.

convalescence means time spent recovering from an illness or medical treatment; recuperation.

jolt means push or shake (someone or something) abruptly and roughly.

S91. Ans.(a)

Sol. The given highlighted phrase is incorrect because will is a modal verb. It is used with the base form of the main verb (enable) therefore option (d) is also incorrect. Both options (b) and (c) are incorrect as 'to' is always followed by 'v1'.

S92. Ans.(c)

Sol. The given highlighted phrase is incorrect because we need adjective 'global' here to modify the noun 'efforts'. In option (a), 'have' is incorrect for singular noun 'concern'. In option (b), 'lead' is incorrect as 'has' is followed by 'v3'. In option (d), 'having' is contextually incorrect as it means 'possess, own, or hold'.

S93. Ans.(c)

Sol. The given highlighted phrase is incorrect because modal verbs (can, could, may, might, shall, should, will, would, and must) always accompany the base (infinitive) form of another verb therefore option (a) is also incorrect. In option (b), 'they' are incorrect because noun 'coronavirus' is singular here. In option (d), 'many' is incorrect because 'fresh wave' is singular ahead in sentence while 'many' is followed by plural noun.

S94. Ans.(e)

Sol. The given highlighted phrase is correct hence no improvement required.

S95. Ans.(b)

Sol. The given highlighted phrase is incorrect because 'despite' is never followed by preposition 'of'. In option (a), 'in spite' should be 'in spite of' therefore option (d) is also incorrect. In option (c), 'since' is contextually and grammatically incorrect.

S96. Ans.(b)

Sol. The correct rearrangement of the highlighted words would be BADC.

S97. Ans.(d)

Sol. The correct rearrangement of the highlighted words would be DCBA.

S98. Ans.(a)

Sol. The correct rearrangement of the highlighted words would be CBAD.

S99. Ans.(e)

Sol. All of the highlighted words are placed in their correct positions. Thus, no rearrangement is required.

S100. Ans.(d)

Sol. The given answer “DBAC” is the only option that makes the sentence grammatically and contextually correct.

