

SBI PO Pre 2025 Memory Based Paper Based on 4th August 2nd Shift

Q1. Select the most appropriate option that can substitute the highlighted segment in the given sentence. If there is no need to substitute it, select 'No replacement required'.

If he would have studied harder, he might have passed the exam.

- (a) If he studied harder
- (b) If he would study harder
- (c) If he had studied harder
- (d) If he has studied harder
- (e) No replacement required

Q2. Select the most appropriate option that can substitute the highlighted segment in the given sentence. If there is no need to substitute it, select 'No replacement required'.

She suggested

- (a) that he go to the library
- (b) that he goes to the library
- (c) that he had to go to the library
- (d) that he went to the library
- (e) No replacement required

Directions (3-5): Read the passage and answer the given questions.

Over the past decade, there has been a growing emphasis on the importance of inclusive communication programs for individuals with disabilities. The World Health Organization (WHO) has highlighted the need for globally accessible communication methods that can bridge the gap between hearing and non-hearing individuals. For individuals with hearing impairments, language remains a primary communication tool. Studies from the National Institute on Deafness and Other Communication Disorders (NIDCD) show that sign language enhances social integration. However, the use of sign language by interpreters and the lack of standardized sign language for a targeted segment of the population with hearing impairments _____.

Findings revealed that while basic signs were widely understood comprehension dropped when regional variations or complex grammatical structures were used, pointing to the need for standardized learning and broader public training.

To address these gaps, several disability-focused associations have implemented **bold** initiatives, including large-scale sign language training for both disabled and non-disabled individuals. This **direct** approach fosters mutual understanding and reduces social isolation.

Recent research also highlights the growing role of music-based interventions in disability support. While commonly associated with auditory experiences, music therapy leverages rhythm, vibration, and movement to stimulate

multiple senses. The *Journal of Music Therapy* reports that tactile vibrations from instruments—particularly percussion—can be felt and enjoyed by those with hearing impairments. For individuals with mobility or cognitive challenges, structured music activities improve coordination, memory, and emotional well-being.

Music therapy extends beyond passive listening. Interactive methods—such as drumming circles, rhythm exercises, and movement-to-music sessions—encourage active engagement. Neurological studies indicate these activities promote neuroplasticity, strengthening brain connections and aiding rehabilitation for those adapting to long-term

collaborations with technology. Research indicates that integrating music into communication programs can enhance participation, particularly for individuals with hearing impairments.

Recent studies combining music with sign language have shown promising results. These inclusive activities, when paired with structured strategies, can create a more accessible environment for individuals with disabilities.

Q3. According to the passage, which of the following is a finding from the 2017 study on sign language with hearing impairments?

The study found that while basic signs were widely understood, comprehension dropped when regional variations or complex grammatical structures were used. This finding highlights the need for standardized learning and broader public training. The study also noted that music-based interventions, such as drumming circles and rhythm exercises, can enhance social integration and emotional well-being for individuals with hearing impairments. The study further revealed that the use of sign language by interpreters and the lack of standardized sign language for a targeted segment of the population with hearing impairments _____.

Q4. Identify the correct statements based on the passage:

- (I) Music therapy benefits only those with hearing impairments.
 - (II) Structured music-based activities aid memory and emotional well-being.
 - (III) Communication barriers are among the most significant challenges for people with disabilities.
- (a) Only II
 - (b) I and II
 - (c) II and III
 - (d) I and III
 - (e) All I, II, and III

Q5. What do neurological studies reveal about interactive music-based therapy?

- (a) It helps build social bonds among caregivers and families only.
- (b) It decreases attention span and discourages repetitive learning patterns.
- (c) It strengthens brain connections and aids rehabilitation for long-term disabilities.
- (d) It causes overstimulation in individuals with sensory sensitivity.
- (e) It encourages passive reflection and slower recovery processes.

Q6. Which of the following is NOT a challenge mentioned in the passage regarding sign language adoption?

- (a) Overuse of
- (b) Inconsisten
- (c) Lack of tra
- (d) Limited pu
- (e) Difficulty u

Q7. Choose the

- (a) Cautious
- (b) Timid
- (c) Selective
- (d) Highlight
- (e) Fearless

Q8. Choose the

- (a) Right
- (b) Indirect
- (c) Confused
- (d) Straightfor
- (e) Subtle

Q9. Choose the

- (a) United
- (b) Participate
- (c) Engaged
- (d) Separated
- (e) Combined

Q10. Fill in the blank with the most appropriate option.

- (a) analyzed the impact of music therapy on speech development in deaf children
- (b) investigated the challenges in understanding sign language
- (c) surveyed how often participants used facial expressions instead of hand signs
- (d) assessed the role of interpreters in urban healthcare communication
- (e) examined vocabulary retention in bilingual hearing-impaired classrooms

Q11. Identify the statements that are true based on the passage:

- (I) Music therapy is limited to auditory stimulation and is not suitable for individuals with hearing impairments.
- (II) The 2017 study found that sign comprehension declined when regional differences and complex grammar were involved.
- (III) Sign language training is being conducted for both disabled and non-disabled individuals to promote inclusion.
- (a) Only II
- (b) Only III
- (c) I and III
- (d) II and III
- (e) All I, II, and III

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USA.

(E) This result points to the need for early detection and preventive therapy.

(F) This gradual decline is made worse because most treatments only manage symptoms.

Q13. Which of the following should be the FIRST sentence after rearrangement?

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

Q14. Which of the following should be the THIRD sentence after rearrangement?

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

Q15. Which of the following should be the LAST sentence after rearrangement?

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

Q16. Which sentence after

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

Q17. Which sentence after

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

Directions (1 to 10): The following passage contains 10 blanks, each of which has been marked by a letter. For each blank, choose the most appropriate word from the options that follow.

Rayan was once a rising star in the music industry. He was an instant **(B)**_____ in the industry. In the beginning, Rayan remained grounded. He credited his team, his parents, and his inspiration—old-school jazz legends. But as the fame grew, so did his **(C)**_____. The humility that once defined him began to erode. He started arriving late for rehearsals, dismissing his bandmates' inputs, and even canceled small-town concerts that had once meant everything to him. Slowly, the charm began to wear off. His performances lost their magic, his voice felt strained, and his new songs lacked the emotional **(D)**_____ that once captivated audiences. Social media, once filled with praises and fan art, now bristled with harsh reviews and sarcasm. Despite several PR efforts to **(E)**_____ his image, the

audience had moved on. New faces had emerged—fresh voices that resonated with the evolving mood of the times. Rayan's latest concert barely filled half the arena; the empty seats echoed louder than the applause. Sitting backstage, staring at old photos, Rayan realized how far he had drifted from the soul of his music. A journey that began with passion had been **(F)**_____ by pride.

Q18. Which of the following words will fit in the given blank (A)?

- (a) mediocre
- (b) colossal
- (c) trivial
- (d) obscure

Q20.

(C)?

- (a) dis...
- (b) dilig...
- (c) humi...
- (d) ego...

Directions (11 to 20): The following passage contains 10 blanks, each of which has been marked by a letter. For each blank, choose the most appropriate word from the options that follow.

- (a) look down
- (b) tear up
- (c) brush off
- (d) patch up
- (e) give away

Q23. Which of the following words will fit in the given blank (F)?

- (a) nurtured
- (b) dismantled
- (c) elevated
- (d) inspired
- (e) adored

Directions (24-27): 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.

Q24. He had scarcely (A)/ stepped out of the (B)/ house than it began (C)/ to rain heavily. (D)

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

Q25. By the time (A)/ he had left (B)/ leave the house (C)/ started. (D)

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

Q26. Years of (A)/ hard work (B)/ a (C)/ visible cracks (D)

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

Q27. Nobody (A)/ him (B)/ the balcony (C)/ collapsed during the heavy storm. (D)

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

Q28. In the question below, few words are given in bold which may not be placed in the correctly. Choose the correct interchange needed between these words to make the sentence grammatically and contextually correct.

Developing emotional intelligence **helps in (A)** building stronger **conflicts (B)** and managing **relationships (C)** effectively in **professional (D)** and personal life.

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

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these words to
contextually

achieving (B)
g (C) shared

Q30. In the question below, few words are given in bold which may not be placed in the correctly. Choose the correct interchange needed between these words to make the sentence grammatically and contextually correct.

Continuous effort (A) and (B) (C) (D) are vital (B) for mastering complex tasks (C) and (D) long-term

Q31. In the question below, few words are given in bold which may not be placed in the correctly. Choose the correct interchange needed between these words to make the sentence grammatically and contextually correct.

Staying **adaptable (A)** and open to learning **prepares (B)** growth and **fosters (C)** individuals for unexpected opportunities and **challenges (D)**.

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



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Q32. In the question below, few words are given in bold which may not be placed in the correctly. Choose the correct interchange needed between these words to make the sentence grammatically and contextually correct.

Careful planning **and** (A) timely execution **in** (B) strategies **can** (C) significantly improve efficiency and productivity of (D) challenging situations.

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

Q33. A word has been given in the question and used in the sentences below. Identify the statements where the word has been used in a contextually and grammatically correct manner.

INCESSANT

- (A) The incessant low-lying area
- (B) His incessant examination.
- (C) The speech ended abruptly

- (a) Only (A)
- (b) Only (B)
- (c) Both (A) and (B)
- (d) All of these
- (e) Both (A) and (C)

Q34. A word has been given in the question and used in the sentences below. Identify the statements where the word has been used in a contextually and grammatically correct manner.

BREAK

- (A) They decided to continuously fight
- (B) The thief triggered the alarm.
- (C) The vase will break beauty once placed on the decorated table.

- (a) Only (A)
- (b) Only (B)
- (c) Both (B) and (C)
- (d) All of these
- (e) Both (A) and (B)

Q35. A word has been given in the question and used in the sentences below. Identify the statements where the word has been used in a contextually and grammatically correct manner.

BORNE OUT

- (A) His claims were borne out by the evidence presented during the investigation.
- (B) The heavy weight was too much to be borne out by the fragile wooden shelf.
- (C) Her success was borne out of years of hard work and consistent effort.

- (a) Only (A)
- (b) Only (B)
- (c) Both (A) and (B)
- (d) All of these
- (e) Both (A) and (C)

Q36. A word has been given in the question and used in the sentences below. Identify the statements where the word has been used in a contextually and grammatically correct manner.

INTEGRITY

- (A) The integrity of the fairness should be maintained.
- (B) The lower essence, integrity of the main findings
- (C) The integrity of the for the main findings

- (a) Only (A)
- (b) Only (B)
- (c) Both (A) and (B)
- (d) All of these
- (e) Both (A) and (C)

Q37. The given sentences have been jumbled up. Arrange these sentences in a meaningful order.

- P. The noise scared away the tiger.
- Q. The villagers rushed with sticks and tools.
- R. A tiger had wandered into the fields at dawn.
- S. The farmer saw it and raised an alarm.

- (a) SPQR
- (b) RQSP
- (c) RSPQ
- (d) PQRS
- (e) PRSQ

Q38. The given sentences have been jumbled up. Arrange these sentences in a meaningful order.

- P. The noise scared away the tiger.
- Q. The villagers rushed with sticks and tools.
- R. A tiger had wandered into the fields at dawn.
- S. The farmer saw it and raised an alarm.

- (a) SPQR
- (b) RQSP
- (c) RSPQ
- (d) PQRS
- (e) PRSQ

Q39. The given sentences have been jumbled up. Arrange these sentences in a meaningful order.

- P. With hard work, she finally cracked the exam.
Q. Priya had always dreamt of becoming a civil servant.
R. She faced many challenges along the way.
S. But she never gave up on her goal.

- (a) QPRS
(b) QRSP
(c) PRSQ
(d) QSRP
(e) RSPQ

Q40. The given sentences have been jumbled up. Arrange these sentences in a meaningful order.

- P. But few paid attention to her.
Q. Years later, she became a famous author.
R. Meera often wrote stories.
S. She urged people to read books.

- (a) RSPQ
(b) PQRS
(c) RPSQ
(d) QSRP
(e) RSQP

Q41. A and B are two business partners who invest with two times the capital of B and the total profit of A is Rs. 60,000. What is the profit of B and C?

- (a) 60000
(b) 64000
(c) 48000
(d) 56000
(e) 46000

Q42. The area of a rectangle is 16 meters square and the ratio of length and breadth of the rectangle is 3 : 2. If the diameter of a circle is equal to the breadth of the rectangle, the area of the circle is:

- (a) 54
(b) 72
(c) 62
(d) 48
(e) 60

Directions (43-44): In the given questions, two quantities are given, one as 'Quantity I' and another as 'Quantity II'. You have to determine relationship between two quantities and choose the appropriate option. Compare only numerical values

Q43. Given $a > b$ and $a > 4$, while $b < 5$.

Quantity I- $\frac{1}{a} + \frac{1}{b} = 0$

Quantity II- $\left(\frac{1}{b} - \frac{1}{a}\right)^2 = 0$

- (a) Quantity I > Quantity II
(b) Quantity I < Quantity II
(c) Quantity I $\geq$ Quantity II
(d) Quantity I $\leq$ Quantity II
(e) Quantity I = Quantity II or no relation

Q44. If $x^2 - 5x + 6 = 0$ and $2y^2 - 9y + 9 = 0$, then

Quantity I- Product of largest root of both equations

Quantity II- $\sqrt[3]{729}$

- (a) Quantity I > Quantity II
(b) Quantity I < Quantity II
(c) Quantity I $\geq$ Quantity II
(d) Quantity I $\leq$ Quantity II

- (a) 10
(b) 20
(c) 30
(d) 40
(e) 50

Q46. 20480

- (a) 20480
(b) 20480
(c) 20480
(d) 20480
(e) 20480

Q47. 19, 25, 31, 37, 43, 49, 55, 61, 67, 73, 79, 85, 91, 97, 103, 109, 115, 121, 127, 133, 139, 145, 151, 157, 163, 169, 175, 181, 187, 193, 199

- (a) 19
(b) 25
(c) 31
(d) 37
(e) 43

Q48. Vessel A contains mixture of milk and water in the ratio of 3 : 1 respectively. 20 liters of mixture taken out from vessel A and added in vessel B which contains x liters of milk and 30 liters of water. If the ratio of milk to water in the resultant mixture in vessel B is 11 : 7, then find the value of x?

- (a) 55
(b) 35
(c) 41
(d) 62
(e) 40

Q49. Sneha marks up an article 40% above the cost price and allows a discount of 10% on marked price. If Sneha made a profit of Rs. 364, then find the difference between both profits when he sold the same article at 25% profit?

- (a) 16
- (b) 14
- (c) 18
- (d) 20
- (e) 24

Q50. The length of train A is 300 meters and it cross a 500 meters long platform in 30 seconds. If length of train B is two times of the length of train A and speed of train B is 198 km/hr, then find the time taken by train B to cross the platform (in seconds)?

- (a) 30
- (b) 25
- (c) 15
- (d) 20
- (e) 40

Q51. A alone can do the same work in six days, and B can do 50% of the work done by A in the same time.

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

Q52. There are 100 cakes are distributed between A and B in the ratio 7:4, what is the number of cakes received by A and B respectively?

- (a) 30
- (b) 80
- (c) 40
- (d) 60
- (e) 90

Directions (Q53-Q55): Study the following information and answer the questions given below.
Q53. Find the difference between average number of goods sold by B & C and number of unsold goods of D.

Companies	Goods sold out of total good manufactured
A	90%
B	80%
C	75%
D	4X%

Q53. Find the difference between average number of goods sold by B & C and number of unsold goods of D.

- (a) 14
- (b) 12
- (c) 10
- (d) 22
- (e) 8

Q54.

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

Q55. In a factory, 1000 goods are manufactured. Out of these, 80% are sold to the market. The rest are not sold. Out of the goods sold, 20% are defective. Find the number of goods sold by A and B respectively.

- (a) 300
- (b) 400
- (c) 500
- (d) 600
- (e) 700

Q56. In a factory, 1000 goods are manufactured. Out of these, 80% are sold to the market. The rest are not sold. Out of the goods sold, 20% are defective. Find the number of goods sold by A and B respectively.

- (a) 48%
- (b) 40%
- (c) 75%
- (d) 80%
- (e) 70%

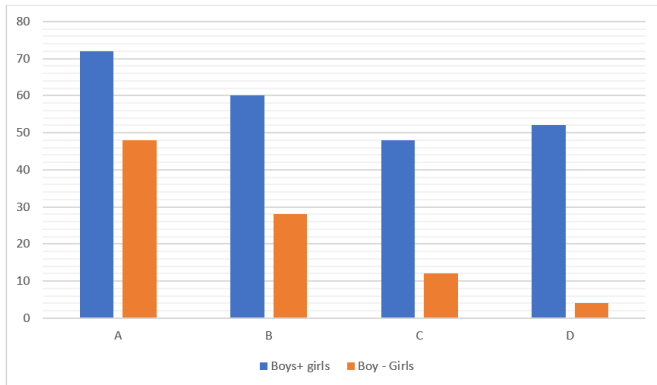
Q57. The Goods sold by B are at the rate of 5 Rs each. If he gets the profit of 25%, then find the cost price of all the goods (in Rs).

- (a) 148
- (b) 96
- (c) 106
- (d) 132
- (e) 80

Q58.



Directions (59-64): The bar shows the total number of students in four schools and it also shows the difference between boys and girls in these schools.



Q59. Find the

- (a) 18
- (b) 14
- (c) 16
- (d) 12
- (e) 10

Q60. Total girls of more than

- (a) 55.55%
- (b) 24.55%
- (c) 56.55%
- (d) 52.55%
- (e) 40.55%

Q61. If boys in by 50%, then D.

- (a) 48
- (b) 47
- (c) 46
- (d) 45
- (e) 44

Q62. Find the total boys in A

- (a) 48:31
- (b) 31:24
- (c) 31:36
- (d) 32:41
- (e) 27:44

Q63. In school E, the ratio of boys and girls be 7: 9 and boys in E is 50% more than girls in A and B together. Find the girls in E.

- (a) 48
- (b) 54
- (c) 36
- (d) 32
- (e) 40

Q64. 25% of the total students in C are absent and out of that 10 girls are absent. Find the absent boys in C is how many more/less than total girls in D.

- (a) 48
- (b) 22
- (c) 36
- (d) 32
- (e) 40

Directions (65-68): Read the information and answer the following questions.

The information is about the total males and females visits museum in three different days (Monday, Tuesday and Sunday). Total male visits all the three days is 135. Males visit on Monday. Females visit on Tuesday. Males and females visit on Sunday. The ratio of males and females visits on Monday, Tuesday and Sunday is 3:2:1.

Q65. Find the total number of people visited to museum in all

- (a) 135
- (b) 120
- (c) 75
- (d) 62
- (e) 40

Q66. Find the ratio of total people visited to museum on Monday to Tuesday.

- (a) 3:2
- (b) 2:3
- (c) 3:1
- (d) 2:1
- (e) 1:2

Q67. If the cost of a ticket for males is Rs 10 and the cost of a ticket for females is Rs 12, then find the total amount collected on Sunday.

- (a) 1350
- (b) 4
- (c) 3
- (d) 2
- (e) 1

Q68. Find the ratio of total people visited to museum on Sunday to Monday.

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

Q69. The average weight of 12 students in a class is 'y' kg. Two new students joined them with total weight of 72 kg and the average weight of the class is decreased by $y/16$ kg. If the weight of heavier student out of two students who joined is $y - 24$ kg, then find the difference between weight of two students who joined.

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

Q70. The monthly income of A is Rs. 50000 and he spends x% of his monthly income on food. He spends 20% of the remaining money on clothing, 10% on education and 15% on transport. He spends the remaining amount on miscellaneous. The amount spent on miscellaneous is _____% of the total amount spent on food and transport.

- (a) 130%
(b) 260%
(c) 160%
(d) 240%
(e) 360%

Directions (7
carefully and

Eight persons are seated around a circular table, but only one of them is facing outside the center. Both the immediate neighbors of Q are facing the center. Q faces left of B. A and C are not facing each other. The person sitting opposite to the person at the immediate left of Q is facing the center. C faces right of D. D is not a neighbor of A.

Q71. Who among the following person sits immediate right of R?

- (a) P
(b) S
(c) D
(d) C
(e) B

Q72. Who of the following person is sitting between B and S when counted from the left of B?

- (a) P
(b) Q
(c) D
(d) C

Q74 correct about
P?

- (a) P site
(b) P site
(c) Three
(d) Two pe
are c

5. Who are the neighbors of A? Which is adjacent to A?

- (b)
(c)
(d)

...the in the word ... letters between ... as they have in English alphabetical series (both forward and backward direction)?

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

Directions (77-81): Read the following information carefully and answer the questions given below:

Ten persons- M, N, O, P, Q, R, S, T, U and V live on different floors of a ten-storey building where ground floor is numbered as 1, above it is 2 and so on till the topmost floor is numbered as 10.

Four persons live between N and O who lives immediate below P. N lives on an even numbered floor but not on top floor. Q lives three floors below P. The number of persons live above R is same as the number of persons live below S but they do not live adjacent to each other. T lives adjacent to S. U lives on an odd numbered floor but above V and below M.

Q77. The number of persons live above V is same as the number of persons live below ____?

- (a) P
- (b) Q
- (c) N
- (d) S
- (e) M

Q78. Four of the persons live on odd numbered floors and form a group. Which of the following persons belong to that group?

- (a) O
- (b) Q
- (c) U
- (d) S
- (e) R

Q79. How many persons live on the 5th floor?

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

Q80. Who among the following persons live on which N lives?

- (a) U
- (b) M
- (c) T
- (d) S
- (e) None of the above

Q81. Which of the following persons live on the 10th floor?

- (a) P - 10th Floor
- (b) Q - 7th Floor
- (c) N - 4th Floor
- (d) S - 2nd Floor
- (e) M - 6th Floor

Q82. In the number '45787259', if the digits before 8 are added by 2 and the digits after 8 are subtracted by 1, then how many digits appear after the prime digit, in the new number formed?

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

Directions (83-85): Read the following information carefully and answer the questions given below:

Six persons A, B, C, D, E and F are of different height but not necessarily in the same order. A is 2nd tallest person among them. There are two persons between A and B. C is just taller than D but shorter than E. The height of the 2nd tallest person is 177cm.

Q83. Who among the following is the fourth tallest person?

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

Q84. Who among the following is the shortest person?

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

Directions (85-87): Read the following information carefully and answer the questions given below:

Six persons A, B, C, D, E and F are working on different designations in an organization. The designations are Clerk, Manager, DG, GM, PO and SMO. A is a clerk to PO (Seniority order is - Red, Blue, Green, Yellow, Orange, White). The height of the 2nd tallest person is 177cm, and the height of the shortest person is 150cm.

Q85. Who among the following is the tallest person?

Six persons A, B, C, D, E and F are working on different designations in an organization. The designations are Clerk, Manager, DG, GM, PO and SMO. A is a clerk to PO (Seniority order is - Red, Blue, Green, Yellow, Orange, White). The height of the 2nd tallest person is 177cm, and the height of the shortest person is 150cm.

Q86. What is the designation of S?

- (a) SMO
- (b) GM
- (c) DG
- (d) Manager
- (e) Clerk

(a) Blue
(b) Pink
(c) Orange
(d) Silver
(e) Yellow

- (a) DGM, Red
- (b) GM, White
- (c) DG, Blue
- (d) AGM, Yellow
- (e) Manger, Pink

(a) The one who is not a student
(b) P
(c) The one who is not a student
(d) The one who is not a student
(e) S

I. R is not junior to S
II. S is junior to T
III. W does not report to R

(a) Only II
(b) Only I
(c) Only I and II
(d) Only II and III
(e) None is correct

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

(a) S
(b) O
(c) R
(d) P
(e) K

- (a) N-S
- (b) O-R
- (c) Q-K
- (d) M-P
- (e) L-Q

(a) 0
(b) L
(c) N

(c)

(d)

(e)

Seven people were found lying face down, facing north. They have been identified as copper, silver, nickel, gold, and platinum. The information is not

(a) Aluminum
(b) Mercury
(c) Nickel
(d) Copper
(e) Silver

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

Q98. What is the position of G with respect to A?

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

Q99. How many persons sit to the left of the one who have copper?

- (a) Two

- (b) Three
- (c) Four
- (d) Five
- (e) None of the above

Q100. Choose the correct combination.

- (a) A - Nickel
- (b) E - Silver
- (c) D - Copper
- (d) C - Mercury
- (e) G - Gold

Solutions

S1. Ans.(c)

Sol. This is a ...
describes a hy ...
Correct form:

If + past perfect

- "If he had ...
exam"
- The origin ...
the if-clause

Correct answer:

S2. Ans.(a)

Sol. This sentence ...
used after verb ...
Correct subjunctive

Subject + suggest

→ **She suggests**

Correct answer:

S3. Ans.(b)

Sol. The passage ...

"...comprehension ...

complex grammatical

Only **(b)** reflects

false or not mentioned

The passage states

that while basic signs were widely understood comprehension dropped when regional variations or complex grammatical structures were used."

This directly matches option (b).

Option (a) is wrong because the passage says *basic signs were widely understood*, meaning most participants were familiar with them.

Option (c) is incorrect — the study's focus was on sign language comprehension, not preference for music therapy.

Option (d) is not mentioned anywhere in the passage.

Option (e) is wrong because comprehension was not entirely absent; basic signs were understood.

rehabilitation for those adapting to long-term disabilities."

- **Option (c)** accurately reflects this idea using paraphrased but contextually correct language.
- **Option (a)** is incorrect because the passage does not limit the benefit to caregivers and families.
- **Option (b)** is directly contradicted by the evidence in the passage.
- **Option (d)** introduces an idea (overstimulation) not mentioned.
- **Option (e)** misrepresents the therapy as passive, whereas the passage emphasizes **active engagement**.

Correct answer: (c)

S6. Ans.(a)

Sol. Analysis:

(a) **Overuse of sign language in non-disabled populations** – This is **not mentioned at all** in the passage. The text promotes sign language training among both disabled and non-disabled people as a **positive** and inclusive measure. So this is **not** a challenge and is therefore **the correct answer**.

(b) **Inconsistent understanding of regional sign variations** – The passage discusses how comprehension drops when regional variations are introduced. This is mentioned.

(c) **Lack of trained interpreters in communities** – The passage states that a **shortage of trained interpreters** remains a barrier. This is mentioned.

(d) **Limited p**

The passage

problem. This

(e) **Difficulty**

– Also menti

comprehensio

structures.

Correct answe

S7. Ans.(e)

Sol. In the pa

courageous a

Let's examine

• (a) **Cautio**

hesitant.

• **Hindi me**

• (b) **Timid**

• **Hindi me**

• (c) **Select**

courage of

• **Hindi me**

• (d) **Highli**

a synonym

• **Hindi me**

• (e) **Fearle**

unafraid,

decisive a

• **Hindi meaning:** निडर / साहसी

Correct answer: (e) Fearless

S8. Ans.(d)

Sol. In this context, “direct” means **clear, straightforward,**

and focused.

Analysis:

• (a) **Right** – Means correct or morally just; not a

synonym of “direct” in this context.

• **Hindi meaning:** सही / उचित

• (b) **Indirect** – Opposite of direct.

• **Hindi meaning:** परोक्ष / घुमा-फिरा कर

• (c) **Confused** – Unclear or disorganized; not related to

“direct.”

• **Hindi meaning:** भ्रमित

• (d) **Straightforward** – **Correct answer.** It means honest, clear, and direct in manner or approach.

• **Hindi meaning:** सीधा-सादा / स्पष्ट

• (e) **Subtle** – Delicate or not obvious; opposite of straightforward.

• **Hindi meaning:** सूक्ष्म / जटिल

Correct answer: (d) Straightforward

S9. Ans.(d)

Sol. In this context, “joined” means to **become part of or take part in something.**

Analysis:

• (a) **United** – Means to come together; synonym, not

“joined”; means to

so a synonym.

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"Findings revealed that while basic signs were widely understood, comprehension dropped when regional variations or complex grammatical structures were used..." So, this is correct.

• **(III) True**

- The passage states:

"...large-scale sign language training for both disabled and non-disabled individuals... fosters mutual understanding..." So, this is also correct.

S12. Ans.(b)

Sol. Let's assess each statement:

- **(I) False**

- The passage **contradicts** this:

"Music therapy... encourages active participation..." So, this is **false**.

- **(II) False**

- The passage

"...over 1.3 billion people live with disability..."

It refers to

disorders. The

misrepresents

- **(III) True**

- The passage

"...comprehension of complex grammatical structures..." This is a **true** statement.

S13. Ans.(e)

Sol. Correct Sequence:

Step-by-step reasoning:

1. **C** introduces the topic by defining Alzheimer's as a brain disorder that damages memory and thinking over time.
2. **F** logically follows, explaining that the decline worsens because treatments only manage symptoms.
3. **B** comes next, presenting a recent scientific discovery that offers a possible breakthrough.
4. **D** connects directly to B by showing that Rohan acted on this discovery through a study in 48 states.
5. **A** follows, revealing the key finding from his research — many patients were diagnosed before 65.
6. **E** concludes, showing the implication of this finding — the need for early detection and prevention.

S14. Ans.(d)

Sol. Correct Sequence: C – F – B – D – A – E

Step-by-step reasoning:

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S15. Ans.(d)

Sol. Correct Sequence: C – F – B – D – A – E

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S15. Ans.(d)

Sol.

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S18. Ans.(b)

Sol. The word that can be filled in the blank is 'colossal' to make the sentence grammatically and contextually correct. 'Colossal' means **extremely large or great** in size, degree, or extent.

As per the context, the sentence is describing the overwhelming success of Rayan's debut concert—"tickets sold out within minutes", indicating a **massive or monumental** event. So, 'colossal' fits perfectly.

Meanings of other given words and why they are incorrect:

Mediocre – (average in quality; neither good nor bad) – doesn't match the idea of instant, grand success.

Trivial – (of little value or importance) – contradicts the idea of "tickets sold out".

Obscure – (not known or famous or celebrated)

Predictable – (able to be predicted or expected) – to describing the

S19. Ans.(c)

Sol. The word that can be filled in the blank is 'prodigy' to make the sentence grammatically and contextually correct. 'Prodigy' means **a person or thing showing exceptional qualities or abilities**.

As per the context, the sentence is describing a sensation where someone highly talented is the correct fit.

Meanings of other given words and why they are incorrect:

Recluse – (a person who lives in seclusion and avoids people) – unrelevant

Veteran – (someone who has been involved in something for a long time, especially in the military or a profession) – not experience

Novice – (a beginner or someone who does not have much experience or knowledge) – does not match the idea of someone being an instant prodigy

Understudy – (a person who is trained to replace another person, especially an actor or performer) – irrelevant in the context of

S20. Ans.(d)

Sol. The word that can be filled in the blank is 'ego' to make the sentence grammatically and contextually correct. 'Ego' refers to a person's self, especially in an exaggerated level.

As per the context, Rayan becomes arrogant—"arriving late... dismissing bandmates", etc.—showing rising **self-centeredness**. So, 'ego' fits naturally.

Meanings of other given words and why they are incorrect:

Discipline – (controlled behavior or training) – opposite of what's implied.

Diligence – (careful and persistent work or effort) – again, not matching his decline in behavior.

Humility – (modesty, absence of ego) – the opposite of what is growing.

Gratitude – (thankfulness) – not relevant to the context of arrogance.

S21. Ans.(b)

Sol. The word that can be filled in the blank is 'resonance' to make the sentence grammatically and contextually correct. 'Resonance' means **the ability to evoke emotion or meaning; depth and connection** in a sound or idea.

The context says his new songs "lacked emotional _____", implying a lack of emotional depth or impact. So, 'resonance' fits perfectly.

Meanings of other given words and why they are incorrect:

Detachment – (lack of emotional involvement) – the opposite of what is desired.

Monotony – (dull repetition) – a symptom, not a missing quality.

Dissonance – (a lack of harmony or agreement) – negative

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S24. Ans.(c)

Sol. The correct answer is: **(c) C**

Explanation:

Let's analyze each segment:

(A) "He had scarcely" –

Correct. The word "scarcely" is used with the **past perfect tense** ("had + past participle"), which is appropriately used here.

(B) "stepped out of the" –

Correct. The verb "stepped out" is the past participle form and fits with the helping verb "had."

(C) "house than it began" –

Incorrect.

This part should use "**when**" instead of "**than**" after "scarcely."

Rule:

When using co

- Scarcely,
- Hardly,
- No sooner

They follow sp

- Scarcely
- No sooner

So:

- **Incorrect:** ...
than it began
- **Correct:** ...
when it began

(D) "to rain he

Correct. No iss

Corrected Sen

He had scarce

to rain heavil

One More Exa

- Hardly ha
- No sooner

S25. Ans.(a)

Sol. The corre

Error Explana

Incorrect seg

(A) By the time we will finish

Grammatical Rule:

In **complex future time clauses** (introduced by time expressions such as *by the time*, *when*, *after*, *before*, *as soon as*, etc.), we **do not use "will"** in the subordinate clause, even if the action refers to the future.

Instead, we use the **present simple tense** in the time clause and the **future perfect** or **future simple** in the main clause.

Correct Sentence Structure:

- **Subordinate clause (time clause)** → present simple
- **Main clause** → future perfect

Correct Sentence:

"By the time we finish our breakfast and leave the house, the movie will have already started."

Example for Clarity:

- *By the time she will arrive, we will leave. (incorrect)*
- *By the time she arrives, we will leave. (correct)*

Answer:

(a) A is the segment with the grammatical error.

S26. Ans.(b)

Sol. The correct answer is: **(b) B**

Error Explanation:

Incorrect segment:

(B) of repairs had slowly took

Grammatical Nobody has seen her since the roof caved in during the earthquake. Rule:

When using the **past perfect tense**, the verb structure

form of "take."
en."
"had taken."

slowly taken a
le cracks and

Exa

-

Sh

The

- They

Answer:

B is the

ror.

The correct answer is: (a) A

Error Explanation:

Incorrect segment:

(A) Nobody w

Grammatical

The sentence refers to an action th

ed in the past
one has seen

ould be used:

Incorrect:

- *Nobody **saw** him since the balcony collapsed.*
- "Saw" is simple past tense, which is incorrect here.

Correct form:

- *Nobody **has seen** him since the balcony collapsed.*

Corrected Sentence:

"Nobody has seen him since the balcony collapsed during the heavy storm."

Example for Reference:

- *I saw her since last week. (incorrect)*
- *I have seen her since last week. (correct)*

Answer:

(a) A contains the grammatical error.

S28. Ans.(d)

Sol. "Developing emotional intelligence helps in **building stronger conflicts** and managing **relationships** effectively in **professional and personal life**."

- The phrase "**building stronger conflicts**" is **illogical**. Emotional intelligence does **not** aim to create or strengthen conflicts.
- The correct phrase should be: "**building stronger relationships**", which fits perfectly with the theme of emotional intelligence.

So, we need to **interchange B (conflicts)** and **C (relationships)**.

Correct sentence after the swap:

"Developing emotional intelligence helps in **building stronger relationships** and managing **conflicts** effectively in **professional and personal life**."

This version is **contextually accurate**.
Correct answer: (d) B-C

Restructured sentence:
Developing emotional intelligence helps in **building stronger relationships** and managing **conflicts** effectively in **professional and personal life**.

S29. Ans.(d)

Sol. This construction is **awkward**. Let's swap B and C.

- (B) **achieving** is used when talking about a goal, which makes more sense in the context of shared goals.
- (C) **understanding** is used when talking about a process or a situation, which makes more sense in the context of promoting teamwork.

Let's **swap B and C**.
Revised sentence:
"Effective **communication** and **a clear understanding** promote teamwork toward **achieving** shared goals and ensure **progress**."

Now, this version is **contextually accurate**.
Correct answer: (d) B-C

- "a clear understanding" is also correct.
- "toward **achieving** shared goals" – also correct.

Correct answer: (d) B-C

Restructured sentence:

Effective **communication** and a clear **understanding** promote teamwork toward **achieving** shared goals and ensure **progress**.

S30. Ans.(e)

Sol. The placement of the words in the given sentence is correct. Hence no rearrangement is required.

Consistent **effort** and disciplined practice are **vital** for mastering complex **skills** and achieving long-term professional **success**.

S31. Ans.(a)

Sol. "Staying adaptable and open to **learning prepares** growth and **fosters** individuals for unexpected opportunities and challenges."

This is awkward and **incorrect**. The phrase "**learning prepares growth**" doesn't make sense, while "**fosters individuals**" is fine.

Let's test **interchanging B (prepares)** and C (fosters)**:

New sentence:

"Staying adaptable and open to **learning fosters** growth and **prepares** individuals for unexpected opportunities and challenges."

Now this reads **smoothly and logically**.

Corrected sentence:
Staying adaptable and open to **learning fosters** growth and **prepares** individuals for unexpected opportunities and challenges.
Correct answer: (a)

Restructured sentence:
Staying adaptable and open to **learning fosters** growth and **prepares** individuals for unexpected opportunities and challenges.

S32. Ans.(d)

Sol. This construction is **awkward**. Let's swap B and C.

- (B) **achieving** is used when talking about a goal, which makes more sense in the context of shared goals.
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Revised sentence:
"Effective **communication** and **a clear understanding** promote teamwork toward **achieving** shared goals and ensure **progress**."

Now, this version is **contextually accurate**.
Correct answer: (d) B-C

- "a clear understanding" is also correct.
- "toward **achieving** shared goals" – also correct.

Correct answer: (d) B-D

Restructured sentence:

Careful planning **and** timely execution **of** strategies **can** significantly improve efficiency and productivity **in** challenging situations.

S33. Ans.(c)

Sol. Word: Incessant

Meaning in English: Continuing without interruption; never-ending (often used with a negative or irritating connotation).

Meaning in Hindi: निरंतर / लगातार

Sentence-wise Evaluation:

(A) **Correct** – "Incessant rain" appropriately describes rain that continues without stopping, which fits the meaning perfectly.

(B) **Correct** – "Incessant dedication" conveys dedication that is continuous and unceasing, making it contextually accurate.

(C) **Incorrect** – "Incessant" means continuous; the phrase "incessant for only five minutes" is contradictory and illogical.

S34. Ans.(e)

Sol. Word: Break

Meaning in English:

- (Verb) To interrupt or stop.
- (Noun) A break or interruption.

Meaning in Hindi:

Sentence-wise Evaluation:

(A) **Correct** – "Break" is used correctly to mean a pause from work, which is contextually accurate.

(B) **Correct** – "Break" is used correctly to mean to enter illegally, which is contextually accurate.

(C) **Incorrect** – "Break" is used incorrectly as "break" is not a verb in this context, making it illogical.

S35. Ans.(a)

Sol. Word: Boast

Meaning in English:

or facts.

Meaning in Hindi:

Sentence-wise Evaluation:

(A) **Correct** – "Boast" is correctly used to mean that the claims were proud or supported.

(B) **Incorrect** – "Boast" is used incorrectly as it does not mean "out of" or "supported".

(C) **Incorrect** – "Boast" is used incorrectly as it does not mean "out of" or "supported".

S36. Ans.(c)

Sol. Word: Essence

Meaning in English:

- The fundamental nature or most important quality of something.
- A concentrated extract of a substance, often used for fragrance or flavor.

Meaning in Hindi: सार / मूल तत्व / सुगंधित अर्क

Sentence-wise Evaluation:

(A) **Correct** – "Essence" is used to mean the core or most important part of her argument, which is contextually accurate.

(B) **Correct** – Refers to a concentrated fragrance from flowers, fitting the meaning of the word.

(C) **Incorrect** – Grammatically wrong ("essence" is a noun; here it is wrongly used as a verb).

S37. Ans.(a)

Sol. The correct sequence is **RPQS**.

R introduces the subject (Hari) and his reputation.

P supports it with more detail about his lifestyle.

Q shows the effect—people seeking his advice.

S deepens this trust by comparing it to officials.

S38. Ans.(c)

Sol. The correct sequence is **RSPQ**.

So:

$$A's \text{ share} = (7/23) \times 92000 = ₹28000$$

$$B's \text{ share} = (9/23) \times 92000 = ₹36000$$

$$C's \text{ share} = (7/23) \times 92000 = ₹28000$$

$$\text{Required: } B + C = ₹36000 + ₹28000 = ₹64000$$

S42. Ans.(c)

Sol. Information Given:

$$\text{Area of rectangle} = 216 \text{ m}^2$$

$$\text{Ratio of length : breadth} = 3 : 2$$

$$\text{Diameter of a circle} = 7/6 \text{ of the breadth of the rectangle}$$

Required: Difference between area of rectangle and circle

Formula Used:

If length : breadth = 3:2, then

$$\text{Let length} = 3x$$

$$\text{Area of rectangle} = 216 \text{ m}^2$$

$$\text{Area of circle} = \pi r^2$$

Explanation:

Use area to find

$$\text{Area} = 6x^2 = 216$$

$$x^2 = 36$$

$$x = 6$$

Find actual diameter

$$\text{Length} = 3x = 18$$

$$\text{Breadth} = 2x = 12$$

Find diameter of circle

$$\text{Diameter} = (7/6) \times 12 = 14$$

$$\text{Radius} = 14 / 2 = 7$$

$$\text{Area of circle} = \pi r^2 = 154 \text{ m}^2$$

$$\text{Difference} = \text{Area of rectangle} - \text{Area of circle}$$

$$= 216 - 154 = 62 \text{ m}^2$$

S43. Ans.(b)

Sol. Given:

$$a > b$$

$$a > 4$$

$$b < 5$$

We are comparing

Quantity I: $1/a + 1/b$

Quantity II: $(1/3 - 1/6)^2$

Quantity I = 0 only if $1/a = 1/b = 0 \Rightarrow a = b$, which is not possible because both a and b are positive ($a > 4, b < 5$).

So, Quantity I > 0

Quantity II = 0 only if $1/b = 1/a \Rightarrow a = b$, but we're given $a > b \Rightarrow$ Quantity II > 0

Now, try real values to compare:

$$\text{Example 1: } a = 6, b = 3$$

$$\text{Quantity I} = 1/6 + 1/3 = 0.166 + 0.333 = 0.5$$

$$\text{Quantity II} = (1/3 - 1/6)^2 = (0.333 - 0.166)^2 = 0.167^2 = 0.027$$

$$\text{Example 2: } a = 10, b = 4.9$$

$$\text{Quantity I} = 1/10 + 1/4.9 \approx 0.1 + 0.204 = 0.304$$

$$\text{Quantity II} = (1/4.9 - 1/10)^2 = (0.204 - 0.1)^2 = 0.104^2 \approx 0.011$$

In both cases, **Quantity I > Quantity II**

S44. Ans.(e)

$$\text{Sol. For, } x^2 - 5x + 6 = 0$$

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

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

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

$$x = 3 \text{ \& } 2$$

$$\text{largest root} = 3$$

$$\text{For, } 2y^2 - 9y + 9 = 0$$

$$2y^2 - 6y - 3y + 9 = 0$$

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

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

$$y = 3 \text{ \& } 1.5$$

$$\text{largest root} = 3$$

Quantity I- Product of largest root of both equations = $3 \times 3 = 9$

Quantity I = Quantity II

S46. Ans.

Sol. Pat

$$204800 \div$$

$$6400 \div 16$$

$$8 = 5$$

$$2 = 0.5$$

$$5 = 1.625$$

$$1.625 \times 2 = 3.25$$

$$3.25 \times 2 = 6.5$$

$$6.5 \times 2 = 13$$

$$13 \times 2 = 26$$

$$26 \times 2 = 52$$

$$52 \times 2 = 104$$

$$104 \times 2 = 208$$

$$208 \times 2 = 416$$

$$416 \times 2 = 832$$

$$832 \times 2 = 1664$$

$$1664 \times 2 = 3328$$

$$3328 \times 2 = 6656$$

$$6656 \times 2 = 13312$$

$$13312 \times 2 = 26624$$

$$26624 \times 2 = 53248$$

$$53248 \times 2 = 106496$$

$$106496 \times 2 = 212992$$

$$212992 \times 2 = 425984$$

$$425984 \times 2 = 851968$$

$$851968 \times 2 = 1703936$$

$$1703936 \times 2 = 3407872$$

$$3407872 \times 2 = 6815744$$

$$6815744 \times 2 = 13631488$$

$$13631488 \times 2 = 27262976$$

$$27262976 \times 2 = 54525952$$

$$54525952 \times 2 = 109051904$$

Use given ratio to form an equation:

$$\frac{\text{Total Milk}}{\text{Total Water}} = \frac{11}{7}$$

Explanation:

From vessel A:

Milk taken = $(3/4) \times 20 = 15$ liters

Water taken = $(1/4) \times 20 = 5$ liters

In vessel B:

Milk = $x + 15$

Water = $30 + 5 = 35$

Now apply ratio:

$$\frac{x+15}{35} = \frac{11}{7}$$

Cross-multiply:

$$7(x+15) = 11 \times 35$$

$$7x + 105 = 385$$

$$7x = 280$$

$$x = 40$$

S49. Ans.(b)

Sol. Information Given:

Markup = 40%

Discount = 10%

Profit earned = 364

Need to find the cost price

instead

Formula Used:

Marked Price (MP)

Selling Price (SP)

Profit = SP - CP

Also, Profit = $(\text{SP} - \text{CP}) \times \frac{\text{Profit}}{\text{SP}}$

Use profit = 364

Then find new profit

Difference = New profit - 364

Explanation:

Let CP = x

Then, MP = $x \times 1.40$

SP = $1.40x \times 0.90$

Profit = $1.26x - x$

Given: $0.26x = 364$

$x = 364 / 0.26$

Profit at 25%

New profit = 25% of 1400 = $0.25 \times 1400 = ₹350$

Difference = $364 - 350 = ₹. 14$

Short Exam Hall Approach:

Let CP = x

40% markup & 10% discount $\rightarrow SP = x \times 1.26$

Profit = $0.26x = 364 \Rightarrow x = 1400$

25% profit = $0.25 \times 1400 = 350$

Difference = $364 - 350 = ₹. 14$

S50. Ans.(d)

Sol. Information Given:

Length of Train A = 300 meters

Platform length = 500 meters

Train A crosses platform in 30 seconds

Length of Train B = $2 \times 300 = 600$ meters

Speed of Train B = 198 km/hr

Need to find time taken by Train B to cross the same platform

Formula Used:

Speed = Distance / Time

Distance covered when crossing a platform = Train length + Platform length

Explanation:

Speed = $198 \text{ km/hr} \times 5/18 = 55 \text{ m/s}$

Distance = $600 + 500 = 1100$

Time = $1100 / 55 = 20$ seconds

Work = $1/12$

Work = $1/30$

the remaining

is done by C?

(6 days)

(previous work)

Explanation:

Total work = 60 unit (LCM of 12 & 30)

Efficiency of A = $\frac{60}{12} = 5$ unit/day

Efficiency of B = $\frac{60}{30} = 2$ unit/day

Total work done by A and B together in 6 days = $6 \times (5+2) = 42$ unit

Remaining work = $60 - 42 = 18$ unit

Work done by C = $\frac{18}{2} = 9$ unit

Required % = $\frac{9}{60} \times 100 = 15\%$

Total cakes = $140 + 80 = 220$

Cakes distributed between males and females in ratio

= 7 : 4

Need to find: Difference in number of cakes received by males and females

Formula Used:

In a ratio $a : b$, total parts = $a + b$

Share of a group = (respective ratio part / total parts) $\times$ total quantity

Difference = Male's share - Female's share

Explanation:

Total = 220, ratio = 7:4

Difference = $(7 - 4) / 11 \times 220 = 3/11 \times 220 = 60$

S53. Ans.(a)

Sol. $(35+15+X+30)\% = 100\%$

$$X = 20$$

For A,

Total goods manufactured = 35% of 200 = 70

Goods sold = 90% of 70 = 63

Unsold goods = 7

Similarly for others,

Companies	Total good manufactured	Number of goods sold	Number of unsold goods
A	70	63	7
B	15% of 200 = 30	80% of 30 = 24	30 - 24 = 6
C	20% of 200 = 40	75% of 40 = 28	40 - 28 = 12
D	30% of 200 = 60	4X% of 60 = 48	60 - 48 = 12

$$\text{Required answer} = \frac{24+28}{2} - 12 = 26 - 12 = 14$$

S54. Ans.(b)

Sol. $(35+15+X+30)\% = 100\%$

$$X = 20$$

For A,

Total goods manufactured = 35% of 200 = 70

Goods sold = 90% of 70 = 63

Unsold goods = 7

Similarly for others,

Companies	Total good manufactured	Number of goods sold	Number of unsold goods
A	70	63	7
B	15% of 200 = 30	80% of 30 = 24	30 - 24 = 6
C	20% of 200 = 40	75% of 40 = 28	40 - 28 = 12
D	30% of 200 = 60	4X% of 60 = 48	60 - 48 = 12

$$\text{Total number of goods manufactured by E} = \left(\frac{1}{3} + 1\right) \times 60 = 80$$

$$\text{Unsold goods of E} = 0.5X \% \text{ of } 80 = 8$$

$$\text{Goods that are sold by E} = 80 - 8 = 72$$

$$\text{Required answer} = \frac{72}{12} \times 100 = 600\%$$

S55. Ans.(a)

Sol. $(35+15+X+30)\% = 100\%$

$$X = 20$$

For A,

Total goods manufactured = 35% of 200 = 70

Goods sold = 90% of 70 = 63

Unsold goods = 7

Similarly for others,

Companies	Total good manufactured	Number of goods sold	Number of unsold goods
A	70	63	7
B	15% of 200 = 30	80% of 30 = 24	30 - 24 = 6
C	20% of 200 = 40	75% of 40 = 28	40 - 28 = 12
D	30% of 200 = 60	4X% of 60 = 48	60 - 48 = 12

$$\text{Required answer} = 6+12:48 = 18:48 = 3:8$$

S56. Ans.(d)

Sol. $(35+15+X+30)\% = 100\%$

$$X = 20$$

For A,

Total goods manufactured = 35% of 200 = 70

Goods sold = 90% of 70 = 63

Unsold goods = 7

Similarly for others,

Companies	Total good manufactured	Number of goods sold	Number of unsold goods
A	70	63	7
B	15% of 200 = 30	80% of 30 = 24	30 - 24 = 6
C	20% of 200 = 40	75% of 40 = 28	40 - 28 = 12
D	30% of 200 = 60	4X% of 60 = 48	60 - 48 = 12

Required answer = $\frac{24+28}{2} - 12 = 26 - 12 = 14$

Companies	Total good manufactured	Number of goods sold	Number of unsold goods
A	70	63	7
B	15% of 200 = 30	80% of 30 = 24	30 - 24 = 6
C	20% of 200 = 40	75% of 40 = 28	40 - 28 = 12
D	30% of 200 = 60	4X% of 60 = 48	60 - 48 = 12

$$\text{Required answer} = \frac{70}{40+60} \times 100 = 70\%$$

S57. Ans.(a)

Goods sold = 90% of 70 = 63

Unsold goods = 7

Similarly for others,

Companies	Total good manufactured	Number of goods sold	Number of unsold goods
A	70	63	7
B	15% of 200 = 30	80% of 30 = 24	30 - 24 = 6
C	20% of 200 = 40	75% of 40 = 28	40 - 28 = 12
D	30% of 200 = 60	4X% of 60 = 48	60 - 48 = 12

Let the cost price of all the goods be x.

$$x \times \frac{125}{100} = 5 \times 24$$

$$x = \text{Rs } 96$$

S59. Ans.(a)

Sol. In school A,

Boys + girls = 72

Boys – Girls = 48

Boys = $(72+48)/2 = 60$

Girls = 12

Similarly, for others

Schools	Total	Boys	Girls
A	72	60	12
B	60	$(60 + 28)/2 = 44$	$60 - 44 = 16$
C	48	$(48 + 12)/2 = 30$	$48 - 30 = 18$
D	52	$(52 + 4)/2 = 28$	$52 - 28 = 24$

Required average = $\frac{12+18+24}{3} = 18$

S60. Ans.(a)

Sol. In school A,

Boys + girls = 72

Boys – Girls = 48

Boys = $(72+48)/2 = 60$

Girls = 12

Similarly, for others

Schools	Total	Boys	Girls
A	72	60	12
B	60	$(60 + 28)/2 = 44$	$60 - 44 = 16$
C	48	$(48 + 12)/2 = 30$	$48 - 30 = 18$
D	52	$(52 + 4)/2 = 28$	$52 - 28 = 24$

Required answer = $\frac{12+16+18}{18} \times 100 = 55.55\%$

S61. Ans.(b)

Sol. In school A,

Boys + girls = 72

Boys – Girls = 48

Boys = $(72+48)/2 = 60$

Girls = 12

Similarly, for others

Schools	Total	Boys	Girls
A	72	60	12
B	60	$(60 + 28)/2 = 44$	$60 - 44 = 16$
C	48	$(48 + 12)/2 = 30$	$48 - 30 = 18$
D	52	$(52 + 4)/2 = 28$	$52 - 28 = 24$

Required answer =

S62. Ans.(e)

Sol. In school A,

Boys + girls = 72

Boys – Girls = 48

Boys = $(72+48)/2 = 60$

Girls = 12

Similarly, for others

Schools	Total	Boys	Girls
A	72	60	12
B	60	$(60 + 28)/2 = 44$	$60 - 44 = 16$
C	48	$(48 + 12)/2 = 30$	$48 - 30 = 18$
D	52	$(52 + 4)/2 = 28$	$52 - 28 = 24$

Required answer = 50% of $(60+48)$: $60 + 28 = 54$: $88 = 27:44$

S63. Ans.(b)

Sol. In school A,

Boys + girls = 72

Boys – Girls = 48

Boys = $(72+48)/2 = 60$

Girls = 12

Similarly, for others

Schools	Total	Boys	Girls
A	72	60	12
B	60	$(60 + 28)/2 = 44$	$60 - 44 = 16$
C	48	$(48 + 12)/2 = 30$	$48 - 30 = 18$
D	52	$(52 + 4)/2 = 28$	$52 - 28 = 24$

Boys

Girls in E = $\frac{9}{7} \times 42 = 54$

S64. Ans.

Sol. In school A,

Boys + girls = 72

Boys – Girls = 48

Boys = $(72+48)/2 = 60$

Girls = 12

Similarly, for others

Schools	Total	Boys	Girls
A	72	60	12
B	60	$(60 + 28)/2 = 44$	$60 - 44 = 16$
C	48	$(48 + 12)/2 = 30$	$48 - 30 = 18$
D	52	$(52 + 4)/2 = 28$	$52 - 28 = 24$

S65. Ans.(a)

Sol. Total people visit to museum = 135

Males visit on Sunday and females visit on Monday be 2x and 5x respectively.

females visit on Sunday = $5x - 5$

Males and females visit on Tuesday = 60

Males and females visit on Sunday

$$= \frac{60}{2} = 30$$

$$2x + 5x - 5 = 30$$

$$7x = 35$$

$$5 = x$$

$$135 - (30 + 60) - 5x = \text{males visit on Monday}$$



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Males visit on Monday = 20

Days	Males	Females	Total
Sunday	10	20	30
Monday	20	25	45
Tuesday	20	40	60
Total	50	85	135

Required answer = 85

S66. Ans.(c)

Sol. Total people visit to museum = 135

Males visit on Sunday and females visit on Monday be $2x$ and $5x$ respectively.

females visit on Sunday = $5x - 5$

Males and females visit on Tuesday = 60

Males and females visit on Sunday

$$= \frac{60}{2} = 30$$

$$2x + 5x - 5 = 30$$

$$7x = 35$$

$$5 = x$$

$$135 - (30 + 60) = 45$$

Males visit on Monday = 20

Days	Males	Females	Total
Sunday	10	20	30
Monday	20	25	45
Tuesday	20	40	60
Total	50	85	135

Required answer = 85

S67. Ans.(e)

Sol. Total people visit to museum = 135

Males visit on Sunday and females visit on Monday be $2x$ and $5x$ respectively.

females visit on Sunday = $5x - 5$

Males and females visit on Tuesday = 60

Males and females visit on Sunday

$$= \frac{60}{2} = 30$$

$$2x + 5x - 5 = 30$$

$$7x = 35$$

$$5 = x$$

$$135 - (30 + 60) = 45$$

Males visit on Monday = 20

Days	Males	Females	Total
Sunday	10	20	30
Monday	20	25	45
Tuesday	20	40	60
Total	50	85	135

$$220 = 5 \times 40 + x \times 20$$

$$20 = 20x$$

$$1 = x$$

S68. Ans.(d)

Sol. Total people visit to museum = 135

Males visit on Sunday and females visit on Monday be $2x$ and $5x$ respectively.

females visit on Sunday = $5x - 5$

Males and females visit on Tuesday = 60

Males and females visit on Sunday

$$= \frac{60}{2} = 30$$

$$2x + 5x - 5 = 30$$

$$7x = 35$$

$$5 = x$$

$$135 - (30 + 60) - 5x = \text{males visit on Monday}$$

$$\text{Males visit on Monday} = 20$$

Days	Males	Females	Total
Sunday	10	20	30
Monday	20	25	45
Tuesday	20	40	60
Total	50	85	135

$$\text{Required answer} = 30 : 45 = 2:3$$

S69. Ans.(d)

Sol.

$$\text{ATQ, } \frac{12y+72}{14} = y - \frac{y}{16}$$

$$96y + 576 = 105y$$

$$9y = 576$$

$$y = 64$$

Persons who joined = 64

Persons who joined = 64

Given, monthly income of A = 50000 Rs.

$$\text{So, total amount spends by A on Rent} = 50000 \times \frac{x}{100} = 500x \text{ Rs.}$$

$$\text{Total amount spends by A on children education} = (50000 - 500x) \times \frac{20}{100} = (10000 - 100x) \text{ Rs.}$$

$$\text{Saving of A} = 50000 - (500x + 10000 - 100x) = (40000 - 400x) \text{ Rs.}$$

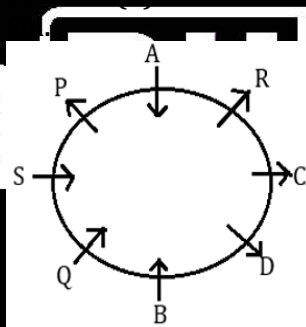
$$\text{ATQ, } (40000 - 400x) \times \frac{1}{2} = 18000$$

$$20000 - 200x = 18000$$

$$200x = 2000$$

$$x = 10$$

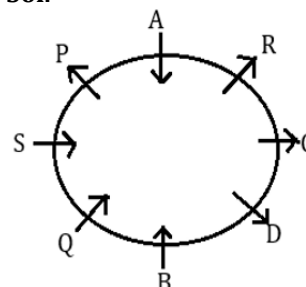
$$\text{Required percentage} = \frac{18000 - 50000 \times \frac{10}{100}}{50000 \times \frac{10}{100}} \times 100 = 260\%$$



C sits immediate right of R

S72. Ans.(b)

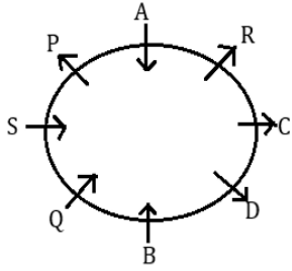
Sol.



Q sits between B and S when counted from the left of B

S73. Ans.(e)

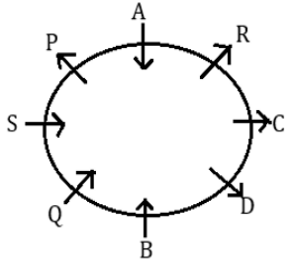
Sol.



B sits immediate right of D

S74. Ans.(a)

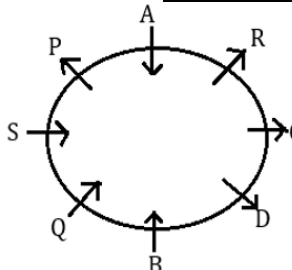
Sol.



P sits second to

S75. Ans.(e)

Sol.



Both P and R sit adjacent to

S76. Ans.(b)

Sol. Three pairs



S77. Ans.(a)

Sol.

Floors	Persons
10	P
9	O
8	R
7	Q
6	M
5	U
4	N
3	S
2	T
1	V

S78. Ans.(e)

Sol.

Floors	Persons
10	P
9	O
8	R
7	Q
6	M
5	U
4	N
3	S
2	T
1	V

S80. Ans.

Sol.

Floors	Persons
10	P
9	O
8	R
7	Q
6	M
5	U
4	N
3	S
2	T
1	V

S81. Ans.(d)

Sol.

Floors	Persons
10	P
9	O
8	R
7	Q
6	M
5	U
4	N
3	S
2	T
1	V

S82. Ans.(b)

S83. Ans.(c)

Sol.

1 > 2 > 3 > 4 > 5 > 6
E > A > C > D > B > F
177

S84. Ans.(d)

Sol.

1 > 2 > 3 > 4 > 5 > 6
E > A > C > D > B > F
177

S85. Ans.(e)

Sol.

1 > 2 > 3 > 4 > 5 > 6
E > A > C > D > B > F
177

S86. Ans.(b)

Sol.

Designations	Persons	Colors
DGM	Q	Red
AGM	V	Yellow
GM	S	White
DG	U	Blue
Manager	R	Pink
SMO	P	Orange
PO	T	Silver
Clerk	W	Green

S87. Ans.(b)

Sol.

Designations	Persons	Colors
DGM	Q	Red
AGM	V	Yellow
GM	S	White
DG	U	Blue
Manager	R	Pink
SMO	P	Orange
PO	T	Silver
Clerk	W	Green

S88. Ans.(c)

Sol.

Designations	Persons	Colors
DGM	Q	Red
AGM	V	Yellow
GM	S	White
DG	U	Blue
Manager	R	Pink
SMO	P	Orange
PO	T	Silver
Clerk	W	Green

S89. Ans.(a)

Sol.

Designations	Persons	Colors
DGM	Q	Red
AGM	V	Yellow
GM	S	White
DG	U	Blue
Manager	R	Pink
SMO	P	Orange
PO	T	Silver
Clerk	W	Green

S90. Ans.(b)

Sol.

Designations	Persons	Colors
DGM	Q	Red
AGM	V	Yellow
GM	S	White
DG	U	Blue
Manager	R	Pink
SMO	P	Orange
PO	T	Silver
Clerk	W	Green

S91.

Sol.

Persons
L
M
P
Q
K
O
R
N
S

Persons

L
M
P
Q
K
O
R
N
S

S93. Ans.(e)

Sol.

Persons
L
M
P
Q
K
O
R
N
S

S94. Ans.(c)

Sol.

Persons
L
M
P
Q
K
O
R
N
S

S95. Ans.(a)

Sol.

Persons
L
M
P
Q
K
O
R
N
S

S96. Ans.(a)

Sol.

A	G	B	E	F	D	C
Iron	Nickel	Gold	Silver	Copper	Mercury	Aluminium

S97. Ans.(d)

Sol.

A	G	B	E	F	D	C
Iron	Nickel	Gold	Silver	Copper	Mercury	Aluminium

S98. Ans.(c)

Sol.

A	G	B	E	F	D	C
Iron	Nickel	Gold	Silver	Copper	Mercury	Aluminium

S100.

Sol.

A	G	B	E	F	D	C
Iron	Nickel	Gold	Silver	Copper	Mercury	Aluminium

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