

IBPS Clerk Pre 2022 (4th September) Shift-Wise Previous Year Papers Mock 05

Directions (1-5): In the following question, sentences are given with a part in bold. The given phrase in the bold may or may not contain an error. The options following can replace the incorrect phrase. The correct phrase that is to be replaced will be your answer. If the sentences are correct then select 'No change required' as your answer.

Q1. With several developed economies **expects to fall into recession over this year**, the dip in exports could accelerate in coming months.

- (a) expects to fall over recession over this year
- (b) expecting to fall in recession over this year
- (c) expected to fall into recession over this year
- (d) expected have had fallen into recession over this year
- (e) No change required

Q2. The judge said that in the process of interpretation of the law, **it is the responsibility about the court to discern** the social purpose which the specific provision subserves.

- (a) it was the responsibility about the court to discern
- (b) it is the responsibility of the court to discern
- (c) it is the responsibilities about the court to discern
- (d) it is being the responsibility about the court to discern
- (e) No change required

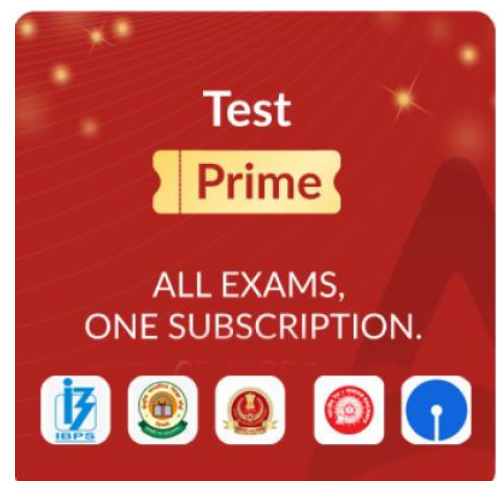
Q3. The uncertainty in Colombo **has pushed exporters to looked for other** options which will benefit South Indian tea producers.

- (a) has pushed exporters to look for other
- (b) has pushed exporters to looks for other
- (c) has pushes exporters to looked for other
- (d) is pushing exporters to looked for other
- (e) No change required

Q4. The rise in inflation post-GST implementation could be due to the rise in the tax rate of some goods and services, **the inclusion in business activities that were** not taxed earlier.

- (a) the inclusion in business activity that were
- (b) the inclusion of business activities that were
- (c) the inclusion in business activities that was
- (d) the inclusion into business activities that were
- (e) No change required

Q5. European Union **was at the forefront of the commitment to** net-zero, as it wants to be the first carbon-neutral region in the world by 2050.



- (a) had been at the forefront of the commitment to
- (b) was being at the forefront of the commitment to
- (c) will be at the forefront of the commitment to
- (d) is at the forefront of the commitment to
- (e) No change required

Directions (6-8): In the following questions, parts of a complete sentence are given. If the pre-existing order renders the sentence incomprehensible or grammatically incorrect, rearrange the parts of the sentence according to the following options, and mark the option which gives the rearrangement that makes the sentence grammatically and contextually valid.

Q6. to make reparation by (A) / painting the entire building (B) / rather than fining the graffiti (C) / artist, the judge ordered him (D)

- (a) CBAD
- (b) ADBC
- (c) CDAB
- (d) CBDA
- (e) No rearrangement required

Q7. system, the county is naming (A) / to venerate Mrs. Johnson's fifty-five (B) / a school in her honour (C) / years of service in the school (D)

- (a) CDAB
- (b) BDAC
- (c) BCAD
- (d) ADBC
- (e) No rearrangement required

Q8. to be kind is a paradox (A) / because cruelty is not normally (B) / the idea of being cruel (C) / associated with kindness (D)

- (a) CABD
- (b) BACD
- (c) BCAD
- (d) BDCA
- (e) No rearrangement required

Q9. In the following questions, few sentences are given which may or may not have errors. Choose and mark the sentence which is error-free. If all the sentences are grammatically and contextually incorrect, mark the "all are incorrect" option as the answer choice.

- (a) Although it doesn't look very harmful, the small insect had a poisonous sting.
- (b) After robbing the bank of a several thousand dollars, the thief fled through the alleyway.
- (c) The religious man's abhorrence at war led him to choose prison over military service.
- (d) The gross misconduct by one employee brought discredit to the whole company.
- (e) All are incorrect

Q10. In the following questions, few sentences are given which may or may not have errors. Choose and mark the sentence which is error-free. If all the sentences are grammatically and contextually incorrect, mark the “all are incorrect” option as the answer choice.

- (a) The vane woman in front of me at the drive-thru kept changed her order.
- (b) It is difficult to formulate an effectively plan under pressure.
- (c) Even though a spider is technically not an insect, most people believe it is.
- (d) I have disdain for those who cheat his way through life.
- (e) All are incorrect

Q11. In the following questions, few sentences are given which may or may not have errors. Choose and mark the sentence which is error-free. If all the sentences are grammatically and contextually incorrect, mark the “all are incorrect” option as the answer choice.

- (a) Because of her adaptive nature, the teacher is flexibility enough to work with any grade level.
- (b) Because Ellen has a morbid sense of humour, her jokes often makes people uncomfortable.
- (c) Many feel it is wrong to enslave elephants, since forcing them to toil at a circus seems cruel.
- (d) The scientists measured the curvature of the wave to see just how high it would had risen.
- (e) All are incorrect

Q12. In the following questions, few sentences are given which may or may not have errors. Choose and mark the sentence which is error-free. If all the sentences are grammatically and contextually incorrect, mark the “all are incorrect” option as the answer choice.

- (a) Most trains derail due to mechanical failure or errors committed from the train conductors.
- (b) In an effort to assuage angry customers, the store issues everyone a full refund.
- (c) Although some do attack, most sharks is completely harmless to humans.
- (d) Confident and proud, the young man refused to listen to his parents’ advice.
- (e) All are incorrect

Directions (13-17): In each of the questions given below, a sentence is given with four words in bold. Choose the option which gives the correct sequence of these words to make the sentence grammatically and contextually correct.

Q13. The law under which NIA **extends (A)** **operates (B)** to the whole of India and also **applies (C)** to Indian citizens **outside (D)** the country.

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

Q14. Industrial production has **seen (A)** a bumpy ride without **giving (B)** confidence of a **full (C)** and final recovery **from (D)** the pandemic.

- (a) Only (A)-(B)
- (b) Only (C)-(D)
- (c) Only (A)-(C)

- (d) (B)-(C) and (A)-(D)
(e) No rearrangement required

Q15. Worshipped **to (A)** the tribespeople residing **in (B)** Parambikulam, the Kannimara teak remains a flagship **of (C)** the tiger reserve offering a spectacular view **by (D)** visitors.

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

Q16. When FPIs **sell (A)** their holdings and **takes (B)** funds **back (C)** to their home markets, the local currency **repatriate (D)** a beating.

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

Q17. The **checking (A)** judgment by the Supreme Court will go a long way in **recent (B)** unethical and **practices (C) illegal (D)** in the pharma sector.

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

Directions (18-22): Given below is a paragraph that has blank spaces. Corresponding to each blank, five options are given, out of which only one is appropriate. Choose the option that fits most suitably in the given blank making sentence grammatically and contextually correct.

Q18. Research during the past decade has _____ **(18)** much about how children learn and develop. Studies have shown that early childhood is a time when developmental changes are happening that can have _____ **(19)** and lasting _____ **(20)** for a child's future. While people have long debated whether "nature" or "nurture" plays the stronger role in child development, recent studies reveal the importance of how the two _____ **(21)** each other as a child develops. Even in their earliest years, children are starting to learn about their world in sophisticated ways that are not always reflected in their outward behavior. Learning and development for young children is both rapid and _____ **(22)**, continuously laying a foundation for later learning.

- (a) revealed
(b) give
(c) shows
(d) leveled
(e) related

Q19. Research during the past decade has _____(18) much about how children learn and develop. Studies have shown that early childhood is a time when developmental changes are happening that can have _____(19) and lasting _____(20) for a child's future. While people have long debated whether "nature" or "nurture" plays the stronger role in child development, recent studies reveal the importance of how the two _____(21) each other as a child develops. Even in their earliest years, children are starting to learn about their world in sophisticated ways that are not always reflected in their outward behavior. Learning and development for young children is both rapid and _____(22), continuously laying a foundation for later learning.

- (a) feverish
- (b) factual
- (c) fanatic
- (d) profound
- (e) trivial

Q20. Research during the past decade has _____(18) much about how children learn and develop. Studies have shown that early childhood is a time when developmental changes are happening that can have _____(19) and lasting _____(20) for a child's future. While people have long debated whether "nature" or "nurture" plays the stronger role in child development, recent studies reveal the importance of how the two _____(21) each other as a child develops. Even in their earliest years, children are starting to learn about their world in sophisticated ways that are not always reflected in their outward behavior. Learning and development for young children is both rapid and _____(22), continuously laying a foundation for later learning.

- (a) consequences
- (b) moment
- (c) affect
- (d) service
- (e) Provision

Q21. Research during the past decade has _____(18) much about how children learn and develop. Studies have shown that early childhood is a time when developmental changes are happening that can have _____(19) and lasting _____(20) for a child's future. While people have long debated whether "nature" or "nurture" plays the stronger role in child development, recent studies reveal the importance of how the two _____(21) each other as a child develops. Even in their earliest years, children are starting to learn about their world in sophisticated ways that are not always reflected in their outward behavior. Learning and development for young children is both rapid and _____(22), continuously laying a foundation for later learning.

- (a) juggled
- (b) copping
- (c) continued
- (d) revert
- (e) influence

Q22. Research during the past decade has _____(18) much about how children learn and develop. Studies have shown that early childhood is a time when developmental changes are happening that can have _____(19) and lasting _____(20) for a child's future. While people have long debated whether "nature" or "nurture" plays the stronger role in child development, recent studies reveal the importance of how the two _____(21) each other as a child develops. Even in their earliest years, children are starting to learn about their world in sophisticated ways that are not always reflected in their outward behavior. Learning and development for young children is both rapid and _____(22), continuously laying a foundation for later learning.

- (a) fugitive
- (b) cumulative
- (c) transitory
- (d) affirmative
- (e) lamenting

Directions (23-30): Read the following passage and answer the following questions.

The wet-bulb temperature is that which would be recorded by a thermometer wrapped in a moist towel. Water evaporating from around the bulb has a cooling effect. The wetter the surrounding air, the less moisture is able to escape and the higher the wet-bulb reading will be. It will always be lower than the actual temperature, until the air is completely saturated with moisture vapour.

Warm-blooded animals need to keep their internal temperatures reasonably constant. If it is too hot, most use some form of evaporative cooling to do this—functioning, in essence, as living wet-bulbs. Dogs pant, pigs wallow in mud and humans sweat.

A wet-bulb temperature of 35°C is _____ as the theoretical limit of what humans can endure. It would be reached at an actual temperature of 45°C if relative humidity were 50%, or at about 39°C if humidity were 75%. Beyond this point it becomes impossible for sweat to cool the body down, causing people to overheat and in effect cook. Cells swell, proteins are deformed and organ systems fail, resulting in death.

Average global temperatures are currently 1.1-1.3°C warmer than pre-industrial levels. The same team of American and British researchers found that **extreme** levels of humidity and heat now occur twice as often than they did in 1979. Even if countries stick to their promises to **curb** emissions and scrub carbon from the atmosphere, the world is on track for temperatures to rise by the same amount again by the end of the century.

Q23. How is the determination of the wet-bulb temperature important?

- (a) It helps to find out how much heat is stored in mammals at a certain temperature.
- (b) It is used for pinpointing the effects of heat on the human body.
- (c) It helps in determining the present course of climate change.
- (d) It paves the way for proper action on harmful industrial activities.
- (e) It plays a crucial role in estimating heat patterns around the world.

Q24. Which of the following is/are natural cooling actions of mammals?

- (a) Rapid respiration
- (b) Rolling about in mud
- (c) Perspiration

- (d) both (a) and (c)
- (e) All of these

Q25. Which of the following is/are bound to happen with an increase in wet-bulb temperatures?

- (a) Temperature of the human body increases
- (b) Cells in the body get destroyed due to deformation of proteins
- (c) Organ systems in the body cease to function
- (d) both (a) and (b)
- (e) All of the above

Q26. Which of the following is/are TRUE with respect to the facts in the passage?

- (a) Shade and water can nullify the effect of increased wet-bulb temperature on the human body.
- (b) The wet-bulb temperature is always lower than the actual temperature.
- (c) Bodies of mammals act on the concept that wet-bulb temperatures follow.
- (d) Both (a) and (b)
- (e) All of these

Q27. Which of the following is NOT TRUE with respect to the facts in the passage?

- (a) The heat felt at any place is increased by an increase in vapour in the air.
- (b) The wet bulb temperature has increased since the advent of industry.
- (c) Since 1979, observed instances of high heat and humidity have doubled in number.
- (d) The observed increase in wet-bulb temperature will not be affected by reducing carbon emissions.
- (e) Wet-bulb temperature is bound to increase significantly in the coming time even if preventive measures are taken.

Q28. Choose from the following a suitable substitution for the blank in the passage.

- (a) rumoured
- (b) considered
- (c) regarded
- (d) neglected
- (e) desecrated

Q29. Choose the synonym for the highlighted word “extreme” as given in the passage.

- (a) acute
- (b) sufficient
- (c) opposite
- (d) Torpidity
- (e) gleaming

Q30. Choose the antonym for the highlighted word “curb” as given in the passage.

- (a) eliminate
- (b) repudiate
- (c) unleash
- (d) enlighten

(e) invalidate

Q31. Rohit can paint a wall in 40 days, while Sohan is 25% more efficient than Rohit. How long would it take Rohit and Sohan together to paint the same wall completely?

- (a) $17\frac{1}{9}$ days
- (b) $17\frac{2}{9}$ days
- (c) $18\frac{1}{7}$ days
- (d) $17\frac{1}{7}$ days
- (e) $17\frac{7}{9}$ days

Q32. The monthly salary of Rekha is increased by 5% every year and her current monthly salary is Rs. 11025. Find the monthly salary of Rekha two years ago?

- (a) 10100 Rs.
- (b) 10000 Rs.
- (c) 10600 Rs.
- (d) 10500 Rs.
- (e) 10300 Rs.

Q33. Two mixtures of water and milk, contains 34% and 40% milk respectively. Find in what respective ratio should these mixtures be mixed so that the final mixture contains 64% water.

- (a) 2:1
- (b) 3:4
- (c) 2:3
- (d) 2:5
- (e) 3:5

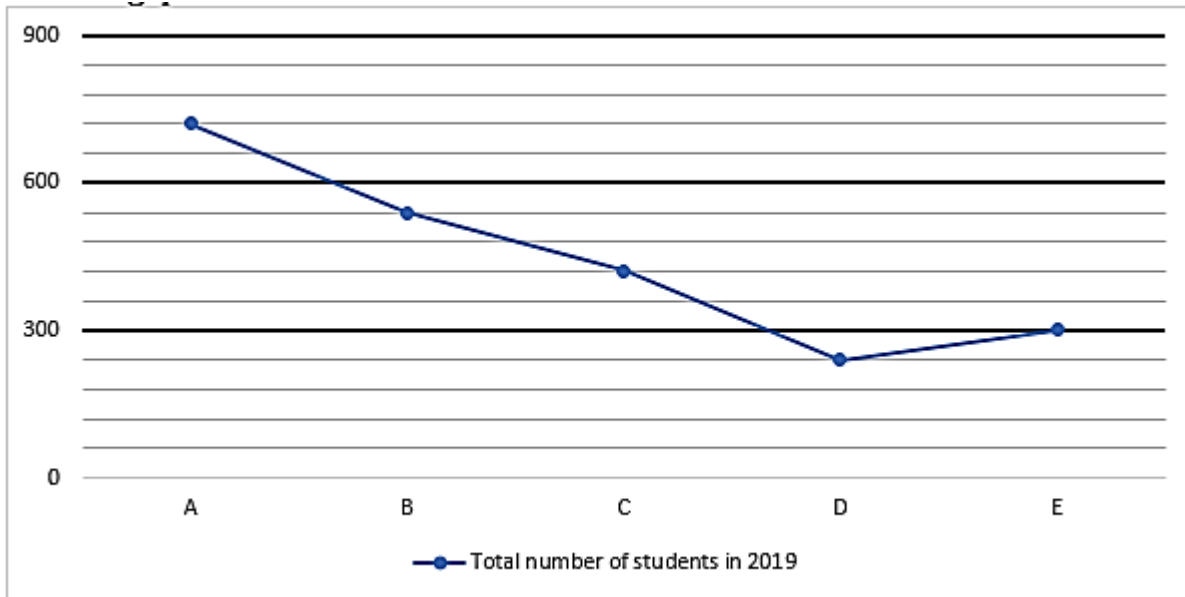
Q34. Mohit and Suresh invested into a business with the capital in the ratio of x:y respectively. If Suresh left the business after 8 months and at the end of the year, they get equal profit share, then find $\frac{x+y}{y}$?

- (a) $2\frac{2}{3}$
- (b) $1\frac{2}{3}$
- (c) $3\frac{2}{3}$
- (d) $4\frac{2}{3}$
- (e) $5\frac{2}{3}$

Q35. The average of the present age of father and his son is 50% more than the present age of the son. If four years hence the sum of age of father and his son is 68 years, then find the present age of father?

- (a) 30 years
- (b) 35 years
- (c) 40 years
- (d) 45 years
- (e) 50 years

Directions (36-40): Line chart shows the total number of students in five different schools (A, B, C, D and E) in 2019. Study the line chart given below and answer the following question.



Q36. Total number of students in school D are what percent more or less than total number of students in school E?

- (a) 25%
- (b) 15%
- (c) 20%
- (d) 10%
- (e) 30%

Q37. Total number of students in school B are how much more than total number of students in school C?

- (a) 120
- (b) 150
- (c) 180
- (d) 90
- (e) 210

Q38. Total number of students in school D are what percent of total number of students in school A?

- (a) $13\frac{1}{3}\%$

- (b) $66\frac{2}{3}\%$
(c) $33\frac{1}{3}\%$
(d) $46\frac{2}{3}\%$
(e) None of the above.

Q39. Find average number of students in school B, C and D.

- (a) 450
(b) 360
(c) 420
(d) 400
(e) 380

Q40. If total number of students in school F in 2019 are 50% more than that of in school B in 2019, then find total number of students in school F in 2019.

- (a) 810
(b) 840
(c) 820
(d) 800
(e) 830

Directions (41-55): - What will come in place of (?) question mark in the following questions.

Q41. $512 \div ? \times 6 = 192$

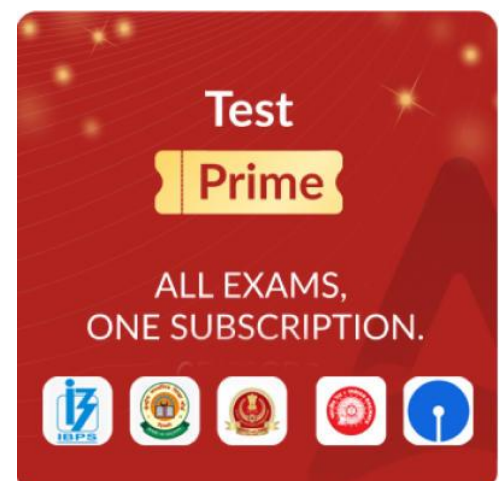
- (a) 11
(b) 18
(c) 12
(d) 16
(e) None of these

Q42. $432 \div 48 \times 602 \div 86 = ?$

- (a) 63
(b) 58
(c) 53
(d) 42
(e) 54

Q43. $37\frac{1}{2}\%$ of ? - $\sqrt{784} = 89$

- (a) 320
(b) 312
(c) 325
(d) 340
(e) 310



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Q44. $?^3 \times 6 + \sqrt[3]{512} = 170$

- (a) 2
- (b) 3
- (c) 4
- (d) 5
- (e) 1

Q45. $4\frac{3}{12} + 1\frac{3}{4} - ? = \sqrt[3]{64}$

- (a) $2\frac{1}{2}$
- (b) $1\frac{1}{2}$
- (c) 1
- (d) 4
- (e) 2

Q46. $45\% \text{ of } 400 + ?^2 = (16)^2 + 120$

- (a) 12
- (b) 14
- (c) 16
- (d) 18
- (e) 8

Q47. $12\% \text{ of } ? + 12.5\% \text{ of } 960 = 16 \times 12$

- (a) 840
- (b) 960
- (c) 800
- (d) 600
- (e) 400

Q48. $(12\% \text{ of } 750) - (12.5\% \text{ of } 480) + ? = 140$

- (a) 105
- (b) 120
- (c) 110
- (d) 100
- (e) 90

Q49. $40\% \text{ of } 260 + 80 = 50\% \text{ of } ?$

- (a) 366
- (b) 372
- (c) 368

- (d) 364
(e) 362

Q50. $115 \times 8 + ? = 20\% \text{ of } 6000$

- (a) 280
(b) 180
(c) 200
(d) 300
(e) 380

Q51. $? \div 9 \times 17 = 1156$

- (a) 702
(b) 504
(c) 558
(d) 612
(e) 666

Q52. $96 \div 168 \times 588 \div 12 = ?$

- (a) 28
(b) 32
(c) 22
(d) 27
(e) 35

Q53. $11\frac{1}{9}\% \text{ of } 873 - ? = \sqrt{2116}$

- (a) 60
(b) 51
(c) 55
(d) 58
(e) 49

Q54. $2\frac{4}{7} + 4\frac{1}{3} - 3\frac{2}{3} + \frac{16}{21} = ?$

- (a) 4
(b) 5
(c) 3
(d) 7
(e) 6

Q55. $(? \times 48) \div 54 + 8^2 = 96$

- (a) 45
(b) 36
(c) 72

- (d) 54
(e) 27

Directions (56-60): Find the wrong number in the following number series.

Q56. 64, 34, 36, 56, 114, 287, 860

- (a) 114
(b) 860
(c) 64
(d) 36
(e) 56

Q57. 512, 580, 524, 572, 536, 560, 548

- (a) 524
(b) 512
(c) 572
(d) 580
(e) 548

Q58. 7200, 1200, 240, 60, 20, 15, 10

- (a) 15
(b) 10
(c) 1200
(d) 60
(e) 20

Q59. 8, 8, 10, 16, 28, 48, 80

- (a) 10
(b) 16
(c) 80
(d) 48
(e) 28

Q60. 2, 3, 6, 22, 89, 446, 2677

- (a) 2677
(b) 446
(c) 89
(d) 6
(e) 3

Q61. If a boat can travel 25 km downstream in 2 hours 30 minutes and the boat takes 5 hours to cover the same distance in upstream. Find the speed of the stream?

- (a) 4 kmph
(b) 2 kmph

- (c) 3 kmph
(d) 2.5 kmph
(e) 3.5 kmph

Q62. A shopkeeper marked an article 35% above its cost price then sold at 20% discount. find the profit percentage of shopkeeper?

- (a) 6%
(b) 8%
(c) 4%
(d) 5%
(e) 9%

Q63. Deepak invested a sum on compound interest for three years and the rate of interest for first, second and third year are 5%, 10% and 20% respectively. If Deepak gets an amount of Rs. 138600 after three years, then find the sum invested by him?

- (a) 100000 Rs.
(b) 120000 Rs.
(c) 110000 Rs.
(d) 112000 Rs.
(e) None of these

Q64. Ratio of income to expenditure of Veer is 8 : 5. If the income of Veer increased by 50% and saving of Veer remains same, then find the ratio of new/increased expenditure to initial expenditure of Veer.

- (a) 11 : 8
(b) 12 : 7
(c) 3 : 2
(d) 4 : 3
(e) 9 : 5

Q65. The perimeter of an equilateral triangle is equal to the perimeter of a square whose diagonal is $6\sqrt{6}$ cm. Find out the area of the equilateral triangle?

- (a) $18\sqrt{3}$ cm²
(b) $38\sqrt{3}$ cm²
(c) $58\sqrt{3}$ cm²
(d) $28\sqrt{3}$ cm²
(e) $48\sqrt{3}$ cm²

Directions (66-67): Read the following information carefully and answer the following questions.

Tara started moving from her house in west direction and stops after 13m. From there she moves 5m to her right and stops at a coffee house. From there she took three consecutive right turns of 9m each and stops at a tire shop. Finally, she moves 5m to her left and stops at a salon.

Q66. What is the shortest distance between the salon and the coffee house?

- (a) 10m
- (b) 19m
- (c) 5m
- (d) 18m
- (e) None of these

Q67. In which direction is salon with respect to Tara house?

- (a) West
- (b) East
- (c) South-East
- (d) South-West
- (e) North-East

Directions (68-69): Read the following information carefully and answer the following questions.

Seven persons P, Q, R, S, A, B, and C have different heights. Three persons are taller than S. R is taller than Q. B is not taller than C. A is taller than B and C but shorter than S. R is just shorter than P. R's height is 30cm more than C's height. The second shortest person height is 149cm. S's height is 15cm less than R.

Q68. Who is the second tallest person?

- (a) P
- (b) Q
- (c) R
- (d) The one whose height is 179cm
- (e) Both(c) and (d)

Q69. What can be the possible height of Q?

- (a) 169cm
- (b) 164cm
- (c) 170cm
- (d) 155cm
- (e) Either 169cm or 170cm

Directions (70-74): Read the following information carefully and answer the following questions.

Eight persons P, Q, R, S, T, U, V, and W are sitting around a circular table facing the centre but not necessarily in the same order.

R sits 4th to the right of W. T sits 2nd to the left of W. U sits adjacent to T. Three persons sits between U and P who does not sit adjacent to R. S sits 2nd to the left of P. V does not sit adjacent to P.

Q70. How many persons sit between T and Q when counted from the right of Q?

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

Q71. Who sits 3rd to the left of S?

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

Q72. What is the position of P with respect to Q?

- (a) Immediate left
- (b) Immediate Right
- (c) 2nd to the left
- (d) 2nd to the right
- (e) None of these

Q73. Four of the following five are alike in same pattern, choose the one which does not belong to the same pattern?

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

Q74. Which of the following statement(s) is/are correct?

- (a) R sits 2nd to the right of Q
- (b) P sits 2nd to the left of W
- (c) S sits immediate right of W
- (d) All of these
- (e) None of these

Directions (75-77): In these questions, relationship between different elements is shown in the statements. These statements are followed by two conclusions. Mark your answer accordingly.

Statements:

$Q > R = S \leq T \leq U = V, V = W \geq X < Y > Z$

Conclusions:

I. $W > R$

Q75. II. $W = R$

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

Statements:

$J > I < H > G \leq F = E, E > D \geq C < B < A$

Conclusions:

I. $F > C$

Q76. II. $H > A$

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

Statements:

$A > B < C = D > E < F, E > G \geq H = I > J$

Conclusions:

I. $J > E$

Q77. II. $B > E$

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

Directions (78-82): Read the following information carefully and answer the following questions.

Twelve persons A, B, D, E, F, G, M, N, O, P, Q, and R are sitting along two parallel rows equidistant from each other such that six persons each are sitting in both row but not necessarily in the same order. A, B, D, E, F, and G are sitting in Row 1 facing north and M, N, O, P, Q, and R are sitting in Row 2 facing south but not necessarily in the same order. The person sitting in Row 1 sits opposite to the persons sitting in Row 2.

Two persons sit between G and A. O sits opposite to B but does not sit adjacent to N. Three persons sit between B and F. E does not sit opposite to R. Two persons sit between Q and M who does not sit opposite to G. R sits third to the right of N such that one of them sits at the ends of the row. The one who sits opposite to N sits second to the right of G.

Q78. Who sits diagonally opposite to F?

- (a) N
- (b) P
- (c) R
- (d) M
- (e) None of these

Q79. Who sits opposite to P?

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

Q80. How many persons sit between the one who sits opposite to F and M?

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

Q81. Which of the following statement(s) is/are not correct?

- (a) A sits opposite to M
- (b) D sits opposite to Q
- (c) E sits second to the right of G
- (d) Both (a) and (b)
- (e) Both (b) and (c)

Q82. Four of the following five are alike in a certain way based on a group, which among the following does not belong to that group?

- (a) N
- (b) F
- (c) M
- (d) A
- (e) P

Directions (83-87): Read the following arrangement of letters, numbers and symbols carefully and answer the following questions.

J \$ F 3 H D 7 0 S % @ 1 ? 9 3 H S + H # 2 J & S L S A @ B X ? 1 ! 2 @

Q83. How many symbols are immediately preceded by a number in the given arrangement?

- (a) Two
- (b) Three

- (c) Four
- (d) Six
- (e) Five

Q84. What will be the sum of the 4th number from the right end and the 5th number from the left end of the given arrangement?

- (a) 12
- (b) 11
- (c) 14
- (d) 10
- (e) None of these

Q85. How many letters are immediately followed by a symbol in the given arrangement?

- (a) Five
- (b) Three
- (c) Six
- (d) Four
- (e) More than Six

Q86. If all the symbols are dropped from the given arrangement, then which element will be 7th from the left end after the rearrangement?

- (a) D
- (b) 7
- (c) 0
- (d) S
- (e) None of these

Q87. If all the numbers are dropped from the given arrangement, then which element will be 7th from the right end after the rearrangement?

- (a) S
- (b) A
- (c) @
- (d) B
- (e) None of these

Directions (88-92): Study the following information carefully and answer the questions given below.

Eight persons were born in four different months starting from March to June of the same year and each person born on two different dates- 22nd and 25th of the given months but not necessarily in the same order. C was born in the month which has odd numbers of days but not born on an odd number date. Two persons were born between C and D. Number of persons older than D is same as the number of persons younger than G. Two persons were born between G and H. Three persons were born between H and E. A was born before F and both were born on the same date. B was not born in the month which has even number of days.

Q88. Who among the following is the oldest person?

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

Q89. Which of the following combination is true about F?

- (a) 22nd - May
- (b) 25th - March
- (c) 22nd -April
- (d) 25th-June
- (e) None of these

Q90. How many persons were born after H?

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

Q91. Who among the following was born in the same month as B?

- (a) A
- (b) F
- (c) G
- (d) H
- (e) None of these

Q92. Who among the following is just older than F?

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

Directions (93-96): 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 from 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.

Q93. Statements:

All White are Cloud
Some Cloud are Water

No White are Blue

Conclusion:

- I. Some water being blue is a possibility
- II. All blue being cloud is a possibility
- (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.

Q94. Statements:

All Laptop are Digital
No Laptop are Mobile
All Mobile are Network

Conclusion:

- I. Some Digital is not Mobile
- II. All Network is Laptop
- (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.

Q95. Statements:

Only a few Fruits are Mango
All Mango are Good
No Good are Bad

Conclusions:

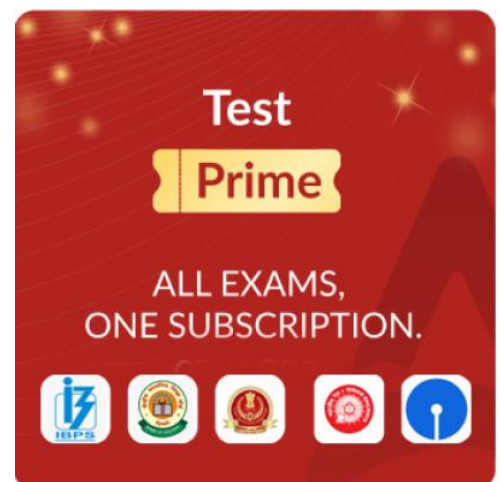
- I. No Mango is bad
- II. No Bad is fruit
- (a) If only conclusion I follows.
- (b) If only conclusion II follows.
- (c) If either conclusion I or II follows.
- (d) If neither conclusion I nor II follows.
- (e) If both conclusions I and II follow.

Q96. Statements:

Only a few Door are Window.
No Window is Glass.

Conclusions:

- I. Some Door is not Glass
- II. All Door being Window is a possibility
- (a) If only conclusion I follows.
- (b) If only conclusion II follows.



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

Q97. If in the given number “39271845”, 3 is subtracted from each of the digit which is greater than 6 and 2 is added to each of the digit which is less than 6, then how many digits are repeating in the new number thus formed?

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

Directions (98-100): Study the information and answer the following questions:

In a certain code language

‘Green bottle white black water’ is written as ‘cx sx ba tv ma’,

‘Black cover mobile’ is written as ‘ue lo tv’,

‘White mobile extra pen’ is written as ‘ma ea fq ue’,

‘River water flow extra’ is written as ‘pb nc cx ea’,

Q98. What is the code for ‘cover’ in the given code language?

- (a) ue
- (b) tv
- (c) lo
- (d) fa
- (e) None of these

Q99. What is the code for ‘green’ in the given code language?

- (a) sx
- (b) ma
- (c) ba
- (d) cx
- (e) Cannot be determined

Q100. What may be the possible code for ‘ganga river’ in the given code language?

- (a) pb sx
- (b) nc hk
- (c) pb ea
- (d) nc fq
- (e) pb nc

Solutions

S1. Ans.(c)

Sol. The only change that is required is the change from “expects” to “expected”, as the countries are the subject, and not the object of the given action, ‘falling into recession’. The action is to be performed on them not by them. No other change is required and no part of option (c) changes the sentence or context further either, thus option (c) is the right answer.

S2. Ans.(b)

Sol. the context required the court to state its responsibility, and for that, “responsibility of” should be used instead of “responsibility about”. This correction is made by option (b), and no other part of sentence is changed and thus invalidated by the substitution either. So the correct substitution is “it is the responsibility of the court to discern”.

S3. Ans.(a)

Sol. Option (a) provides the only option to facilitate proper tense of the context. “Looked” should be replaced with “look” as the context requires present tense and the structure is “has/have+V3”. Thus, “has pushed exporters to looked for other” has to be replaced by “has pushed exporters to look for other”.

S4. Ans.(b)

Sol. The context requires the preposition “of” after “inclusion”, as there is no context of what business activities would be included “in”, but the context is actually lacking an inclusion in entities being taxed. Thus, option (b) is the correct answer. The correct substitution is “the inclusion of business activities that were”.

S5. Ans.(d)

Sol. As the sentence is in the present tense, “was” has to be replace by “is”. That is the only error in the sentence, and option (d) correctly changes that without changing the rest of the sentence. Thus, “was at the forefront of the commitment to” is to be replace by “is at the forefront of the commitment to”.

S6. Ans.(c)

Sol. Rearranging the phrases in the order given by option (c) gives the following resultant sentence. “Rather than fining the graffiti artist, the judge ordered him to make reparation by painting the entire building.”
This sentence is grammatically correct and contextually coherent, and no other rearrangement achieves this. Thus, option (c) is the correct answer.

S7. Ans.(b)

Sol. Rearranging the phrases in the order given by option (b) gives the following resultant sentence. “To venerate Mrs. Johnson’s fifty-five years of service in the school system, the county is naming a school in her honour.”
This sentence is grammatically correct and contextually coherent, and no other rearrangement achieves this. Thus, option (b) is the correct answer.

S8. Ans.(a)

Sol. Rearranging the phrases in the order given by option (a) gives the following resultant sentence.

“The idea of being cruel to be kind is a paradox because cruelty is not normally associated with kindness.”

This sentence is grammatically correct and contextually coherent, and no other rearrangement achieves this. Thus, option (a) is the correct answer.

S9. Ans.(d)

Sol. In option (a), “doesn’t” and “had” indicate a conflict of tense, the former being simple present tense and the latter being past perfect tense. Thus, the sentence is grammatically and contextually incoherent. In option (b), the inclusion of “a” preceding the word denoting the quantity “several” shows an inconsistency. As the amount of money is plural, “a” should be eliminated from the sentence to make it correct.

In option (c), the error lies in “abhorrence at war” as “at” is not the preposition that should be used there. “Of” should be substituted in the place to make the sentence correct.

Only option (d) gives a grammatically correct statement, and thus is the answer.

S10. Ans.(c)

Sol. In option (a), “changed” should be substituted with “changing”, in order to make the tense of the sentence past continuous, as is indicated by the usage of “kept” before the verb “changed”.

In option (b), “effectively” is used which is an adverb, whereas the context requires an adjective, as the word is used to define the noun “plan”. Thus, “effective” can be used in that place. But the sentence is incorrect as is.

In option (d), noun-pronoun disagreement is observed as “those” is used to denote a general group of people. “His” should be replaced with “their” in order to make the sentence correct.

Option (c) gives the statement with no errors, and thus is the correct answer.

S11. Ans.(c)

Sol. In option (a), “flexibility” is wrongly used as it is an adverb used in a position in the sentence where an adjective is required by the context as the word describes the noun, “teacher”. Substitution of “flexible” would make the sentence correct.

In option (b), “jokes” being a plural entity, “makes” cannot be used as it is a singular verb in definition. Substitution of “makes” with “make” would make the sentence structurally correct.

In option (d), the use of “would” with “had” makes the sentence incorrect, as the base form of a verb is used after a modal verb, the modal verb here being “would”. Thus, “had” should be replaced with “have”.

Only option (c) is grammatically correct and thus is the correct answer.

S12. Ans.(d)

Sol. In option (a), the context requires the action to have been done by “the train conductors”. To attribute the action to “the train conductors”, the preposition “from” should be replaced with “by”. Thus, the sentence is incorrect.

In option (b), the tense required by the context conflicts with the tense indicated by the word “issues” which is in simple present tense. Replacement of “issues” with “issued” or “will issue”, for example will make the context of the sentence coherent.

In option (c), the singular irregular verb “is” is wrongly used to attribute to “sharks” as the quantity of sharks is plural.

Option (d) gives the only statement that is free of any errors, and thus is the answer.

S13. Ans.(b)

Sol. The final sentence after rearrangement comes out to be “The law under which NIA operates extends to the whole of India and also applies to Indian citizens outside the country.”

S14. Ans.(e)

Sol. The final sentence after rearrangement comes out to be “Industrial production has seen a bumpy ride without giving confidence of a full and final recovery from the pandemic.”

S15. Ans.(c)

Sol. The final sentence after rearrangement comes out to be “Worshipped by the tribespeople of Parambikulam, the Kannimara teak remains a flagship of the tiger reserve offering a spectacular view to visitors.”

S16. Ans.(c)

Sol. The final sentence after rearrangement comes out to be “When FPIs sell their holdings and repatriate funds back to their home markets, the local currency takes a beating.”

S17. Ans.(d)

Sol. The final sentence after rearrangement comes out to be “The recent judgment by the Supreme Court will go a long way in checking unethical and illegal practices in the pharma sector.”

S18. Ans.(a)

Sol. The appropriate word for the given blank is “revealed”.

Reveled: make (previously unknown or secret information) known to others.

Give: provide with

Shows: allow or cause (something) to be visible.

Leveled: give a flat and even surface to

Related: associated with the specified item or process

S19. Ans.(d)

Sol. The appropriate word for the given blank is “profound”

Feverish: having or showing the symptoms of a fever

Factual: concerned with what is actually the case.

Fanatic: a person filled with excessive and single-minded zeal

Profound: very great or intense.

Trivial: of little value or importance.

S20. Ans.(a)

Sol. The appropriate word for the given blank is “consequences”

Consequences: a result or effect

Moment: a very brief period of time

Affect: have an effect on; make a difference to

Service: the action of helping or doing work for someone

Provision: the action of providing or supplying something for use

S21. Ans.(e)

Sol. The appropriate word for the given blank is “influence”

Juggled: continuously toss into the air and catch

Copping: receive or attain (something welcome).

Continued: without a break in continuity; ongoing.

Revert: return to (a previous state, practice, topic, etc.).

Influenced: have an influence on

S22. Ans.(b)

Sol. The appropriate word for the given blank is “cumulative”

Fugitive: a person who has escaped from captivity or is in hiding

Cumulative: increasing or increased in quantity, degree, or force by successive additions

Transitory: not permanent

Affirmative: positive

Lamenting: express passionate grief about

S23. Ans.(a)

Sol. The determination of the wet-bulb temperature is useful in determining how the temperature inside the body of mammals change with change in temperature outside. In this way, we can determine when harmful levels of heat are reached in the human body, at which point organ systems start to fail.

Option (a) is thus correct. Option (b) states that the concept of wet-bulb temperature helps determine the effects of heat in the body, whereas, in reality it only helps determine the temperature inside it, and not the effects. None of the other option find a reference in the passage.

S24. Ans.(e)

Sol. For justification, refer to the following lines in the second paragraph,

“Warm-blooded animals need to keep their internal temperatures reasonably constant. If it is too hot, most use some form of evaporative cooling to do this—functioning, in essence, as living wet-bulbs. Dogs pant, pigs wallow in mud and humans sweat.”

S25. Ans.(a)

Sol. Only the statement given by option (a) can pass as an answer as the question asks only about an increase in wet-bulb temperature and an inevitable result of it. As far as the justification for option (a) is concerned, it can be recalled how the passage states that the bodies of mammals act on the concept of the wet-bulb temperature. Thus, a certain increase in the temperature of the human body is bound to occur with increase in wet-bulb temperature, as the human body is essentially a tool to measure it.

Though, all the other options could be the possible results of the increase in wet-bulb temperature, but that only happen when it goes beyond the threshold limit, i.e., 35°C. Hence, they can't be the valid answer for the above question.

S26. Ans.(c)

Sol. To disprove option (a), refer to the last sentence of the third paragraph, "At wet-bulb temperatures above 35°C, it is thought that even young healthy people wearing light clothing—regardless of whether they are parked in front of a fan, in the shade or have unlimited water to drink—will die in about six hours."

To disprove option (b), we refer to the last sentence of the first paragraph, "It will always be lower than the actual temperature, until the air is completely saturated with moisture vapour."

Option (c) is the only statement that is correct, as is verifies by the starting lines of the second paragraph, "Warm-blooded animals need to keep their internal temperatures reasonably constant. If it is too hot, most use some form of evaporative cooling to do this—functioning, in essence, as living wet-bulbs."

Thus, option (c) is the correct answer to the question.

S27. Ans.(d)

Sol. Only option (d) is incorrect, and is thus marked as the answer.

Option (a) is correct as is verified by many instances in the paragraph, and understanding the concept wet-bulb temperatures work on. For a clear reference, refer to the last sentence of the second paragraph, "Ambient humidity changes how efficient these processes are, which is why muggy Singapore would feel much hotter than dry Sydney at the same ambient temperature."

To corroborate the truth of options (b), (c), and (e), refer to the last paragraph of the passage.

For option (d), refer to the last sentence of the last paragraph, "Even if countries stick to their promises to **curb** emissions and scrub carbon from the atmosphere, the world is on track for temperatures to rise by the same amount again by the end of the century."

Option (d) states that reducing carbon emissions won't make a difference at all. The quoted text, however, states that just reducing carbon emissions won't reverse the trend of increasing wet-bulb temperature. Option (d) being the incorrect statement, is the answer to the question.

S28. Ans.(c)

Sol. From the definitions given below, it can be concluded that only option (c) can properly fit the blank in the passage.

rumoured – be circulated as an unverified account

considered – having been thought about carefully

regarded – consider or think of in a specified way

neglected – suffering a lack of proper care

desecrated – treat (a sacred place or thing) with violent disrespect

S29. Ans.(a)

Sol. The word "extreme" as used in the context means "reaching a high or the highest degree; very great".

acute – (of an unpleasant or unwelcome situation or phenomenon) present or experienced to a severe or intense degree

sufficient – enough; adequate

opposite – situated on the other or further side when seen from a specified or implicit viewpoint; facing
 exuberant – characterized by a vigorously imaginative artistic style
 gleaming – reflecting light, typically because very clean or polished
 Torpidity - a state of motor and mental inactivity with a partial suspension of sensibility

S30. Ans.(c)

Sol. The word “curb” as used in the context means “restrain or keep in check”.

eliminate – completely remove or get rid of (something)

repudiate – refuse to accept; reject

unleash – to set free (from a state of being held in check)

enlighten – give (someone) greater knowledge and understanding about a subject or situation

invalidate – make or prove (an argument, statement, or theory) unsound or erroneous

S31. Ans.(e)

Sol.

Let the efficiency of Rohit be $4x$ unit/day.

So, the efficiency of Sohan = $4x \times \frac{125}{100} = 5x$ unit/day.

Required number of days = $\frac{40 \times 4x}{4x + 5x} = 17\frac{7}{9}$ days.

S32. Ans.(b)

Sol.

Let monthly salary of Rekha two years ago = Rs. X

ATQ, $X \times \frac{105}{100} \times \frac{105}{100} = 11025$

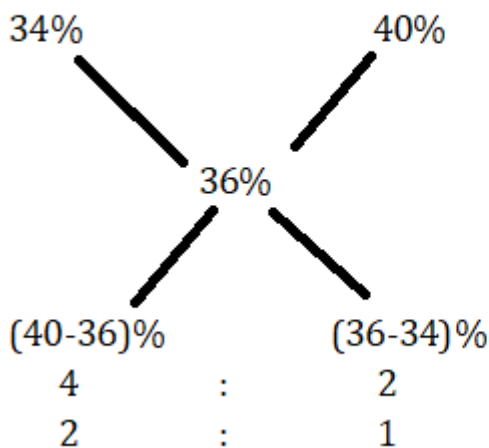
$X = 10000$ Rs.

S33. Ans.(a)

Sol.

Milk percentage in final mixture = $100\% - 64\% = 36\%$

Using allegation method:



S34. Ans.(b)

Sol.

$$\text{ATQ, } \frac{x \times 12}{y \times 8} = \frac{1}{1}$$

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

Let x and y be 2a and 3a respectively

$$\text{So, } \frac{x+y}{y} = \frac{2a+3a}{3a} = \frac{5}{3} = 1\frac{2}{3}$$

S35. Ans.(c)

Sol.

Let the present age of son and father be x years and y years respectively.

$$\text{ATQ, } \frac{x+y}{2} = \frac{150}{100} \times x$$

$$y = 2x \text{---(i)}$$

$$\text{Also give, } (x + 4) + (y + 4) = 68$$

$$3x = 60$$

$$x = 20 \text{ years}$$

So, from (i) we get –

$$y = 40 \text{ years}$$

S36. Ans.(c)

Sol.

$$\text{Required percentage} = \frac{300-240}{300} \times 100 = 20\%$$

S37. Ans.(a)

Sol.

$$\text{Required difference} = 540 - 420 = 120$$

S38. Ans.(c)

Sol.

$$\text{Required percentage} = \frac{240}{720} \times 100 = 33\frac{1}{3}\%$$

S39. Ans.(d)

Sol.

$$\text{Required average} = \frac{540+420+240}{3} = 400$$

S40. Ans.(a)

Sol.

$$\text{Required number of students} = \frac{150}{100} \times 540 = 810$$

S41. Ans.(d)

Sol.

$$512 \div ? \times 6 = 192$$

$$? = \frac{512 \times 6}{192}$$

$$? = 16$$

S42. Ans.(a)

Sol.

$$432 \div 48 \times 602 \div 86 = ?$$

$$9 \times 7 = ?$$

$$? = 63$$

S43. Ans.(b)

Sol.

$$\frac{3}{8} \times ? - 28 = 89$$

$$? = 312$$

S44. Ans.(b)

Sol.

$$?^3 \times 6 + 8 = 170$$

$$?^3 \times 6 = 162$$

$$?^3 = 27$$

$$? = 3$$

S45. Ans.(e)

Sol.

$$\frac{51}{12} + \frac{7}{4} - ? = 4$$

$$? = \frac{51+21}{12} - 4$$

$$? = 6 - 4 = 2$$

S46. Ans.(b)

Sol.

$$\frac{45}{100} \times 400 + ?^2 = 376$$

$$?^2 = 196$$

$$? = 14$$

S47. Ans.(d)

Sol.

$$\frac{12}{100} \times ? + \frac{1}{8} \times 960 = 192$$

$$\frac{12}{100} \times ? = 192 - 120$$

$$\frac{12}{100} \times ? = 72$$

$$? = 600$$

S48. Ans.(c)

Sol.

$$90 - 60 + ? = 140$$

$$? = 110$$

S49. Ans.(c)

Sol.

$$(104 + 80) \times 2 = ?$$

$$? = 368$$

S50. Ans.(a)

Sol.

$$? = 1200 - 920$$

$$? = 280$$

S51. Ans.(d)

Sol.

$$? \times \frac{1}{9} \times 17 = 1156$$

$$? = 612$$

S52. Ans.(a)

Sol.

$$96 \times \frac{1}{168} \times 588 \times \frac{1}{12} = ?$$

$$? = 28$$

S53. Ans.(b)

Sol.

$$\frac{1}{9} \times 873 - 46 = ?$$

$$? = 97 - 46$$

$$? = 51$$

S54. Ans.(a)

Sol.

$$? = (2 + 4 - 3) + \left(\frac{4}{7} + \frac{1}{3} - \frac{2}{3} + \frac{16}{21} \right)$$

$$? = 3 + 1$$

$$? = 4$$

S55. Ans.(b)

Sol.

$$(? \times 48) \times \frac{1}{54} = 32$$

$$? = 36$$

S56. Ans.(b)

Sol.

Pattern of series –

$$\begin{array}{ccccccc}
 64 & & 34 & & 36 & & 56 & & 114 & & 287 & & \boxed{863} \\
 \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} \\
 \times 0.5+2 & & \times 1+2 & & \times 1.5+2 & & \times 2+2 & & \times 2.5+2 & & \times 3+2 & &
 \end{array}$$

Wrong number is 860.

S57. Ans.(d)

Sol.

Pattern of series –

$$\begin{array}{ccccccc}
 512 & & \boxed{584} & & 524 & & 572 & & 536 & & 560 & & 548 \\
 \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} \\
 +72 & & -60 & & +48 & & -36 & & +24 & & -12 & &
 \end{array}$$

Wrong number is 580.

S58. Ans.(a)

Sol.

Pattern of series –

$$\begin{array}{ccccccc}
 7200 & & 1200 & & 240 & & 60 & & 20 & & \boxed{10} & & 10 \\
 \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} \\
 \div 6 & & \div 5 & & \div 4 & & \div 3 & & \div 2 & & \div 1 & &
 \end{array}$$

Wrong number is 15.

S59. Ans.(c)

Sol.

Pattern of series –

$$\begin{array}{ccccccc}
 8 & & 8 & & 10 & & 16 & & 28 & & 48 & & \boxed{78} \\
 \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} \\
 +0 & & +2 & & +6 & & +12 & & +20 & & +30 & & \\
 \uparrow & & \uparrow & & \uparrow & & \uparrow & & \uparrow & & \uparrow & & \\
 1^2-1 & & 2^2-2 & & 3^2-3 & & 4^2-4 & & 5^2-5 & & 6^2-6 & &
 \end{array}$$

Wrong number is 80.

S60. Ans.(d)

Sol.

Pattern of series –

$$\begin{array}{ccccccc}
 2 & & 3 & & \boxed{7} & & 22 & & 89 & & 446 & & 2677 \\
 \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} & \text{---} \\
 \times 1+1 & & \times 2+1 & & \times 3+1 & & \times 4+1 & & \times 5+1 & & \times 6+1 & &
 \end{array}$$

Wrong number is 6.

S61. Ans.(d)

Sol.

Let the speed of boat in still water be x kmph and speed of stream be y kmph.

$$\text{ATQ, } \frac{25}{x+y} = \frac{5}{2}$$

$$x + y = 10 \text{---(i)}$$

$$\text{and, } \frac{25}{x-y} = 5$$

$$x - y = 5 \text{---(ii)}$$

from eq(i) and eq(ii)

$$x = 7.5$$

$$y = 2.5$$

Required result = 2.5 kmph

S62. Ans.(b)

Sol.

Let the cost price be $100x$ Rs.

$$\text{Marked price} = 100x \times \frac{135}{100} = 135x \text{ Rs.}$$

$$\text{Selling price} = 135x \times \frac{80}{100} = 108x \text{ Rs.}$$

$$\text{Profit percentage} = \frac{108x - 100x}{100x} \times 100 = 8\%$$

S63. Ans.(a)

Sol.

Let the sum invested by Deepak be Rs. X .

$$\text{ATQ, } X \times \frac{105}{100} \times \frac{110}{100} \times \frac{120}{100} = 138600$$

$$X \times \frac{21}{20} \times \frac{11}{10} \times \frac{6}{5} = 138600$$

$$X = 100000 \text{ Rs.}$$

S64. Ans.(e)

Sol.

Let initial income and expenditure of Veer be Rs. $8x$ and Rs. $5x$ respectively.

$$\text{So, savings of Veer} = 8x - 5x$$

$$= \text{Rs. } 3x$$

$$\text{New income of Veer} = 8x \times \frac{150}{100}$$

$$= \text{Rs. } 12x$$

$$\text{And, new/increased expenditure of Veer} = 12x - 3x$$

$$= \text{Rs. } 9x$$

$$\text{Required ratio} = \frac{9x}{5x}$$

$$= 9 : 5$$

S65. Ans.(e)

Sol.

$$\text{Side of square} = \frac{6\sqrt{6}}{\sqrt{2}} = 6\sqrt{3} \text{ cm}$$

Let the side of equilateral triangle be a cm.

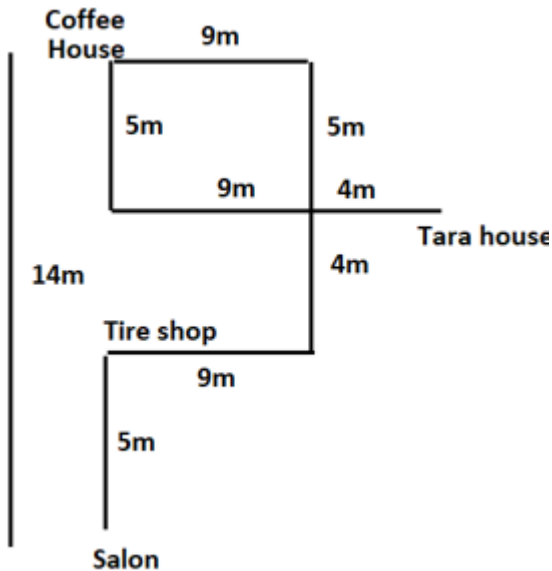
$$3a = 4 \times 6\sqrt{3}$$

$$a = 8\sqrt{3}$$

$$\begin{aligned} \text{Area of equilateral triangle} &= \frac{\sqrt{3}}{4} (8\sqrt{3})^2 \\ &= 48\sqrt{3} \text{ cm}^2 \end{aligned}$$

S66. Ans.(e)

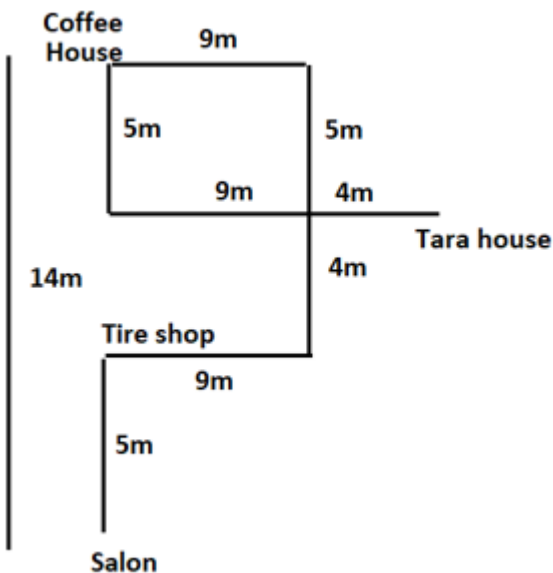
Sol.



The shortest distance between the salon and the coffee house will be $(5+4+5) = 14\text{m}$.

S67. Ans.(d)

Sol.



The salon is in South-West direction with respect to Tara's house.

S68. Ans.(e)

Sol. The correct order of the height of persons is:

$$P > R (179\text{cm}) > Q > S(164\text{cm}) > A > C(149\text{cm}) > B.$$

S69. Ans.(e)

Sol. The correct order of the height of persons is:

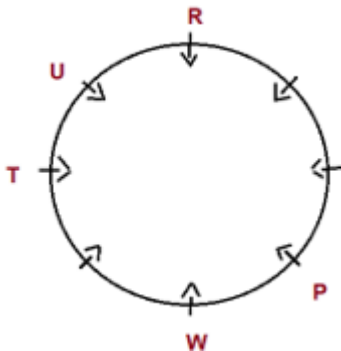
$P > R (179\text{cm}) > Q > S (164\text{cm}) > A > C (149\text{cm}) > B$.

The possible height of Q can be between 179cm to 164cm. i.e., 169cm, or 170cm.

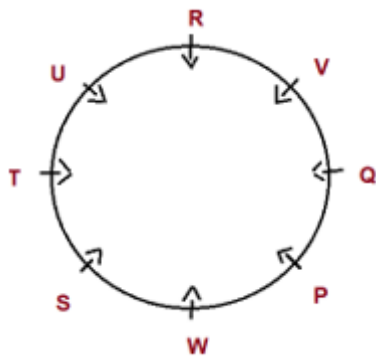
S70. Ans.(b)

Sol. By using all the given information:

R sits 4th to the right of W. T sits 2nd to the left of W. U sits adjacent to T. Three persons sits between U and P who does not sit adjacent to R.



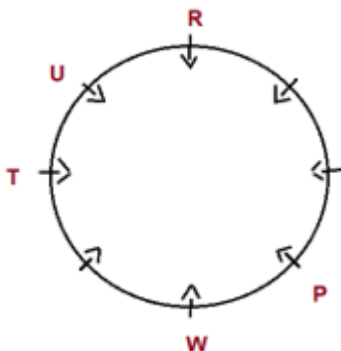
S sits 2nd to the left of P. V does not sit adjacent to P. Now we have our final arrangements.



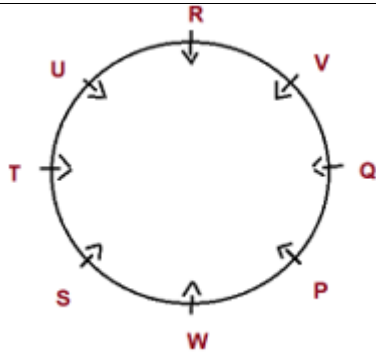
S71. Ans.(c)

Sol. By using all the given information:

R sits 4th to the right of W. T sits 2nd to the left of W. U sits adjacent to T. Three persons sits between U and P who does not sit adjacent to R.



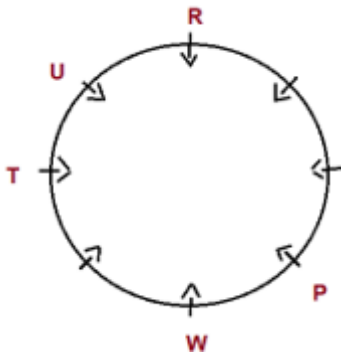
S sits 2nd to the left of P. V does not sit adjacent to P. Now we have our final arrangements.



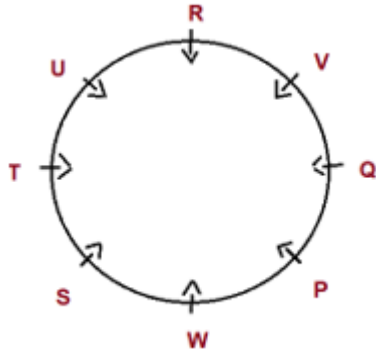
S72. Ans.(a)

Sol. By using all the given information:

R sits 4th to the right of W. T sits 2nd to the left of W. U sits adjacent to T. Three persons sits between U and P who does not sit adjacent to R.



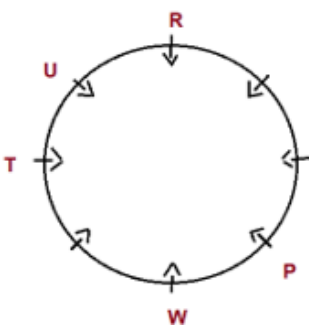
S sits 2nd to the left of P. V does not sit adjacent to P. Now we have our final arrangements.



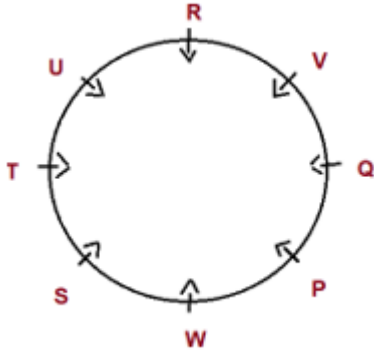
S73. Ans.(e)

Sol. By using all the given information:

R sits 4th to the right of W. T sits 2nd to the left of W. U sits adjacent to T. Three persons sits between U and P who does not sit adjacent to R.



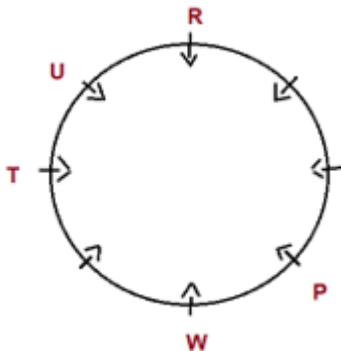
S sits 2nd to the left of P. V does not sit adjacent to P. Now we have our final arrangements.



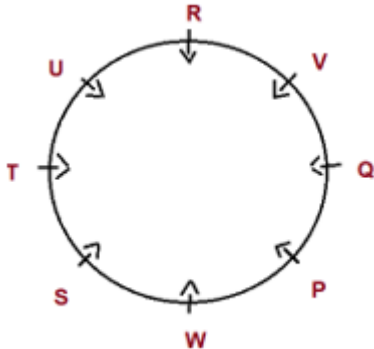
S74. Ans.(a)

Sol. By using all the given information:

R sits 4th to the right of W. T sits 2nd to the left of W. U sits adjacent to T. Three persons sits between U and P who does not sit adjacent to R.



S sits 2nd to the left of P. V does not sit adjacent to P. Now we have our final arrangements.



S75. Ans.(d)

Sol. I. $W > R$ (False)

II. $W = R$ (False)

But they make a complimentary pair, so either $W > R$ or $W = R$ will be true.

S76. Ans.(a)

Sol. I. $F > C$ (True)

II. $H > A$ (False)

S77. Ans.(e)

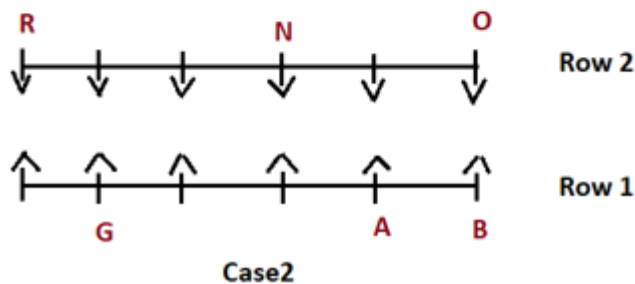
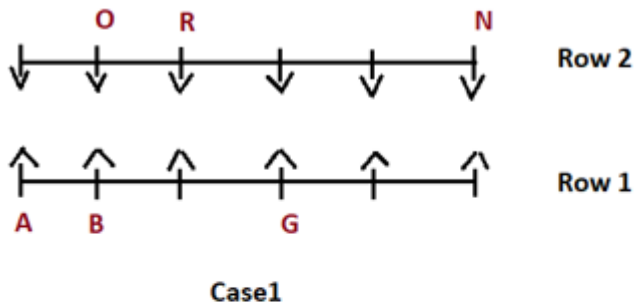
Sol. I. $J > E$ (False)

II. $B > E$ (False)

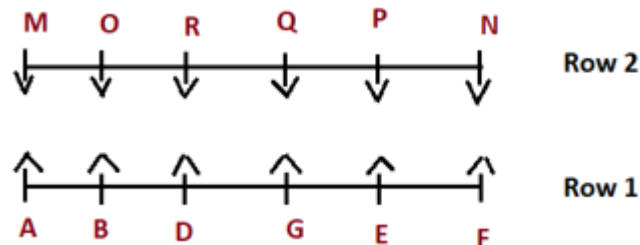
S78. Ans.(d)

Sol. By using all the given information:

R sits third to the right of N such that one of them sits at the ends of the row. We have two possible cases for that Case1 and Case2. The one who sits opposite to N sits second to the right of G. Two persons sit between G and A. O sits opposite to B but does not sit adjacent to N.



Three persons sits between B and F. Now Case2 will be eliminated as we can't place F. E does not sit opposite to R, so D sits opposite to R. Two persons sit between Q and M who does not sit opposite to G, so Q sits opposite to G, and M sits opposite to A. P sits opposite to E. Now we have our final arrangements.

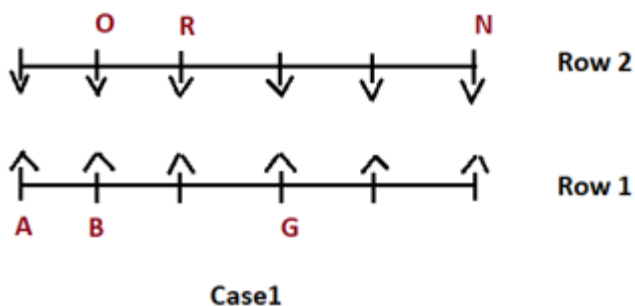


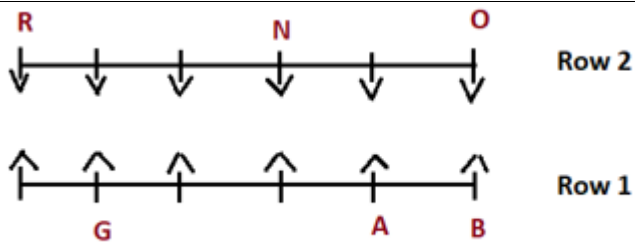
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S79. Ans.(c)

Sol. By using all the given information:

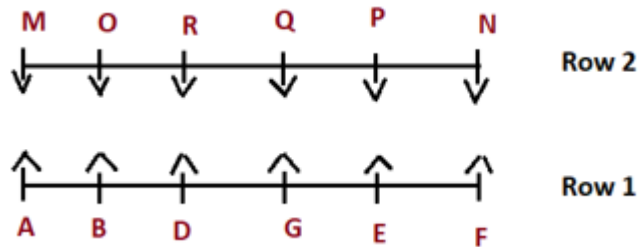
R sits third to the right of N such that one of them sits at the ends of the row. We have two possible cases for that Case1 and Case2. The one who sits opposite to N sits second to the right of G. Two persons sit between G and A. O sits opposite to B but does not sit adjacent to N.





Case2

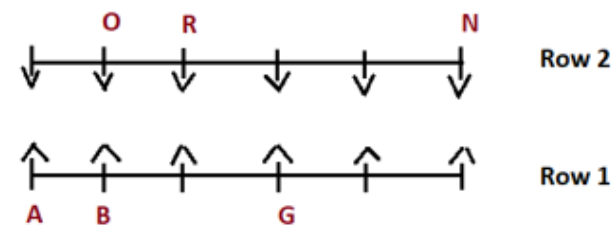
Three persons sits between B and F. Now Case2 will be eliminated as we can't place F. E does not sit opposite to R, so D sits opposite to R. Two persons sit between Q and M who does not sit opposite to G, so Q sits opposite to G, and M sits opposite to A. P sits opposite to E. Now we have our final arrangements.



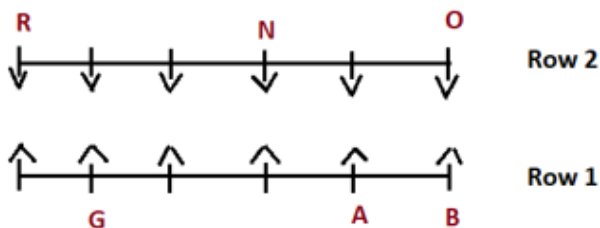
S80. Ans.(e)

Sol. By using all the given information:

R sits third to the right of N such that one of them sits at the ends of the row. We have two possible cases for that Case1 and Case2. The one who sits opposite to N sits second to the right of G. Two persons sit between G and A. O sits opposite to B but does not sit adjacent to N.

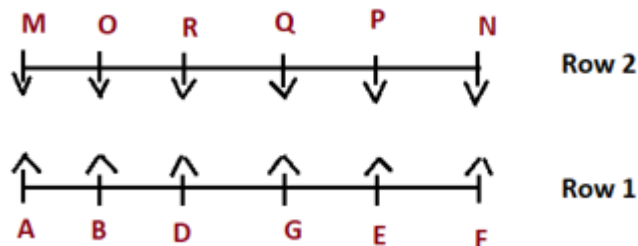


Case1



Case2

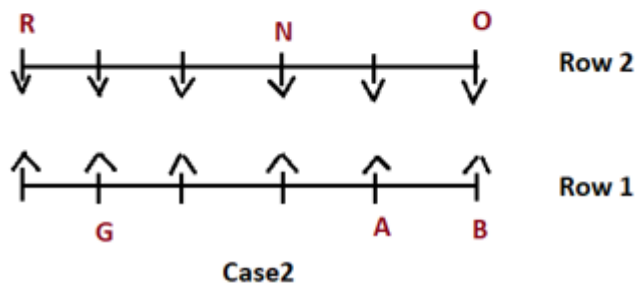
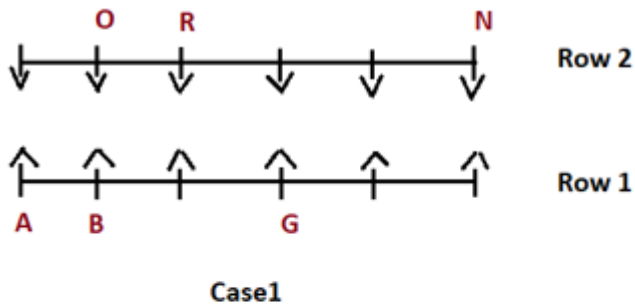
Three persons sits between B and F. Now Case2 will be eliminated as we can't place F. E does not sit opposite to R, so D sits opposite to R. Two persons sit between Q and M who does not sit opposite to G, so Q sits opposite to G, and M sits opposite to A. P sits opposite to E. Now we have our final arrangements.



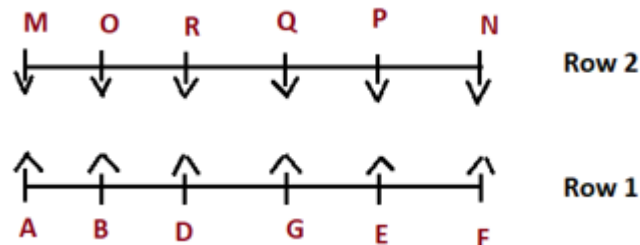
S81. Ans.(e)

Sol. By using all the given information:

R sits third to the right of N such that one of them sits at the ends of the row. We have two possible cases for that Case1 and Case2. The one who sits opposite to N sits second to the right of G. Two persons sit between G and A. O sits opposite to B but does not sit adjacent to N.



Three persons sits between B and F. Now Case2 will be eliminated as we can't place F. E does not sit opposite to R, so D sits opposite to R. Two persons sit between Q and M who does not sit opposite to G, so Q sits opposite to G, and M sits opposite to A. P sits opposite to E. Now we have our final arrangements.

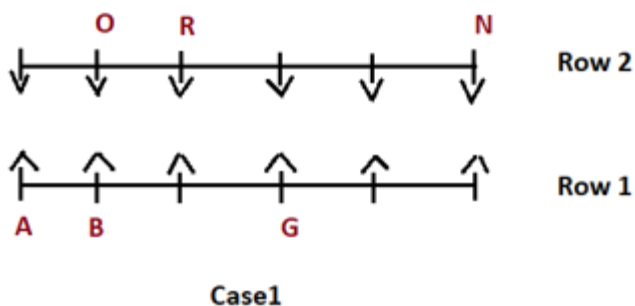


247

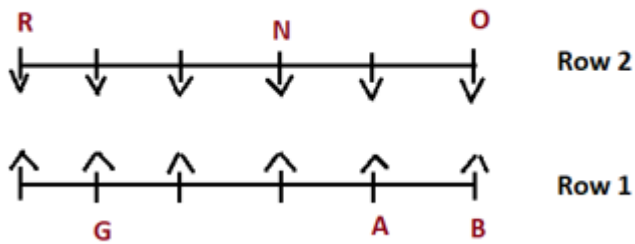
S82. Ans.(e)

Sol. By using all the given information:

R sits third to the right of N such that one of them sits at the ends of the row. We have two possible cases for that Case1 and Case2. The one who sits opposite to N sits second to the right of G. Two persons sit between G and A. O sits opposite to B but does not sit adjacent to N.

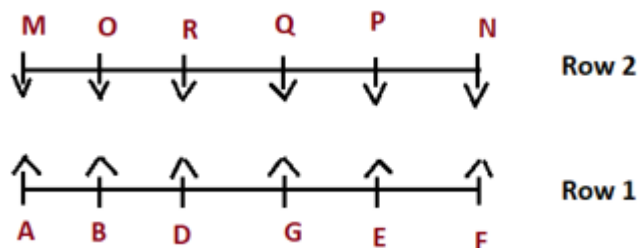


Case1



Case2

Three persons sits between B and F. Now Case2 will be eliminated as we can't place F. E does not sit opposite to R, so D sits opposite to R. Two persons sit between Q and M who does not sit opposite to G, so Q sits opposite to G, and M sits opposite to A. P sits opposite to E. Now we have our final arrangements.



S83. Ans.(b)

Sol. Such symbols are (?, ?, !).

S84. Ans.(a)

Sol. Required sum $(3 + 9) = 12$.

S85. Ans.(e)

Sol. Such letters are (J, S, S, H, J, A, and X)

S86. Ans.(c)

S87. Ans.(b)

S88. Ans.(b)

Sol. C was born in the month which has odd numbers of days but not born on an odd number date. Two persons were born between C and D. There are three possibilities. Number of persons older than D is same as the number of persons younger than G.

Date Month	Case-1		Case-2		Case-3	
	22 nd	25 th	22 nd	25 th	22 nd	25 th
March	C			D	G	
April		D				
May	G		C		C	
June			G			D

Two persons were born between G and H. Three persons were born between H and E. Case-3 will eliminate here with this statement. A was born before F and both were born on the same date. B was not born in the month which has even number of days. From this condition case-1 will be eliminated and the final arrangement is-

Date Month	22 nd	25 th
March	A	D
April	F	H
May	C	B
June	G	E

S89. Ans.(c)

Sol. C was born in the month which has odd numbers of days but not born on an odd number date. Two persons were born between C and D. There are three possibilities. Number of persons older than D is same as the number of persons younger than G.

Date Month	Case-1		Case-2		Case-3	
	22 nd	25 th	22 nd	25 th	22 nd	25 th
March	C			D	G	
April		D				
May	G		C		C	
June			G			D

Two persons were born between G and H. Three persons were born between H and E. Case-3 will eliminate here with this statement. A was born before F and both were born on the same date. B was not born in the month which has even number of days. From this condition case-1 will be eliminated and the final arrangement is-

Date Month	22 nd	25 th
March	A	D
April	F	H
May	C	B
June	G	E

S90. Ans.(d)

Sol. C was born in the month which has odd numbers of days but not born on an odd number date. Two persons were born between C and D. There are three possibilities. Number of persons older than D is same as the number of persons younger than G.

Date Month	Case-1		Case-2		Case-3	
	22 nd	25 th	22 nd	25 th	22 nd	25 th
March	C			D	G	
April		D				
May	G		C		C	
June			G			D

Two persons were born between G and H. Three persons were born between H and E. Case-3 will eliminate here with this statement. A was born before F and both were born on the same date. B was not born in the month which has even number of days. From this condition case-1 will be eliminated and the final arrangement is-

Date Month	22 nd	25 th
March	A	D
April	F	H
May	C	B
June	G	E

S91. Ans.(e)

Sol. C was born in the month which has odd numbers of days but not born on an odd number date. Two persons were born between C and D. There are three possibilities. Number of persons older than D is same as the number of persons younger than G.

Date Month	Case-1		Case-2		Case-3	
	22 nd	25 th	22 nd	25 th	22 nd	25 th
March	C			D	G	
April		D				
May	G		C		C	
June			G			D

Two persons were born between G and H. Three persons were born between H and E. Case-3 will eliminate here with this statement. A was born before F and both were born on the same date. B was not born in the month which has even number of days. From this condition case-1 will be eliminated and the final arrangement is-

Date Month	22 nd	25 th
March	A	D
April	F	H
May	C	B
June	G	E

S92. Ans.(a)

Sol. C was born in the month which has odd numbers of days but not born on an odd number date. Two persons were born between C and D. There are three possibilities. Number of persons older than D is same as the number of persons younger than G.

Date Month	Case-1		Case-2		Case-3	
	22 nd	25 th	22 nd	25 th	22 nd	25 th
March	C			D	G	
April		D				
May	G		C		C	
June			G			D

Two persons were born between G and H. Three persons were born between H and E. Case-3 will eliminate here with this statement. A was born before F and both were born on the same date. B was not born in the month which has even number of days. From this condition case-1 will be eliminated and the final arrangement is-

Date Month	22 nd	25 th
March	A	D
April	F	H
May	C	B
June	G	E

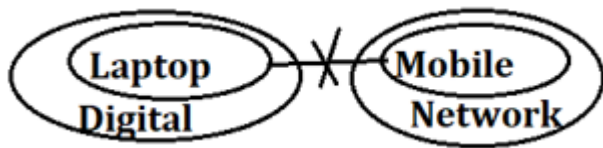
S93. Ans.(e)

Sol.



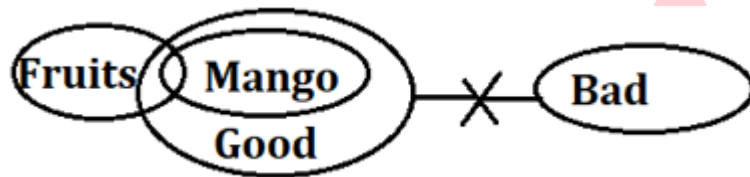
S94. Ans.(a)

Sol.



S95. Ans.(a)

Sol.



S96. Ans.(a)

Sol.



S97. Ans.(d)

Sol. Original number- 39271845

Obtained number- 56443567

S98. Ans.(c)

Sol.

Words	Codes
White	ma
Water	cx
Black	tv
Cover	lo
Mobile	ue
Extra	ea
Pen	fq
Green/Bottle	sx/ba
Flow/river	pb/nc

S99. Ans.(e)

Sol.

Words	Codes
White	ma
Water	cx
Black	tv
Cover	lo
Mobile	ue
Extra	ea
Pen	fq
Green/Bottle	sx/ba
Flow/river	pb/nc

S100. Ans.(b)

Sol.

Words	Codes
White	ma
Water	cx
Black	tv
Cover	lo
Mobile	ue
Extra	ea
Pen	fq
Green/Bottle	sx/ba
Flow/river	pb/nc

