# SBI PO Prelims Memory Based Paper (Held On: 4 August 2025 Shift 3) (Previous Year Paper)

SBI Probationary Officer (PO) • 2025 • 100 questions • 60 minutes • Answer key and solutions

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## ENGLISH LANGUAGE

**Directions**

Direction: The following sentences form a paragraph. The sentences are A, B, C, D, E and F. Sentence D is fixed, and its position cannot be changed. The rest of the sentences are not given in their proper order. Read the sentences and answer the following questions.

A. However, over time the movement expanded to embrace hundreds of events, thousands of athletes, and a truly global television audience.

B. The modern Olympic Games were revived in 1896 in Athens, inspired by the ancient contests once held in Greece.

C. At their first edition, only a few nations took part, competing in a handful of disciplines.

D. This transformation turned a modest sporting revival into one of the most widely watched events on the planet.

E. Yet alongside this growth came challenges such as commercial pressures, disputes over doping, and the enormous cost of hosting.

F. Today, organisers must therefore balance the celebration of athletic excellence with the practical demands of managing a massive international spectacle.

**Q1.** Which sentence should be the FIRST sentence in the paragraph?

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

**Q2.** Which sentence should be the SECOND sentence in the paragraph?

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

**Q3.** Which sentence should be the THIRD sentence in the paragraph?

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

**Q4.** Which sentence should be the FIFTH sentence in the paragraph?

- **(a)** B
- **(b)** C
- **(c)** E

**(d)** F
**(e)** A

**Q5.** Which sentence should be the SIXTH sentence in the paragraph?

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

**Q6.** Directions: Read the following sentences carefully, choose the one that is grammatically and contextually correct, and mark it as your answer.

**(a)** Every men and women in the country must contribute to the development of the nation.
**(b)** The company has decided to invest heavily in renewable energy sources to reduce carbon emissions.
**(c)** The school principal, along with the senior teachers, are planning a historical field trip.
**(d)** She speaks the French language fluent, making her perfect for the international translation job.
**(e)** Although the uphill journey was exhausting, but they thoroughly enjoyed the picturesque landscapes.

**Q7.** Directions: Read the following sentences carefully, choose the one that is grammatically and contextually correct, and mark it as your answer.

**(a)** The department manager asked the team members to divide the tasks between the three of them.
**(b)** Neither of the external candidates were deemed suitable for the vacant managerial position.
**(c)** The majestic golden eagle soared effortlessly above the snow-capped mountain peaks.
**(d)** It is high time you start preparing for your final university examinations.
**(e)** My family and I have visited the Taj Mahal last year during our summer vacation.

**Q8.** Directions: Read the following sentences carefully, choose the one that is grammatically and contextually correct, and mark it as your answer.

**(a)** The children were playing joyfully in the garden when it suddenly started raining.
**(b)** She did not wrote the formal letter because she lacked the necessary financial information.
**(c)** Unless you do not apologize for your rude behavior, I will not forgive you.
**(d)** The amount of students attending the weekend seminar exceeded our wildest expectations.
**(e)** Of all the students in his physics class, he is undeniably the more intelligent.

**Q9.** Directions: Read the following sentences carefully, choose the one that is grammatically/contextually incorrect, and mark it as your answer.

**(a)** The serene landscape provided a perfect backdrop for the meditation retreat.
**(b)** She is an absolute genius when it comes to solving complex algebraic equations.
**(c)** The committee have finally reached a unanimous decision regarding the new environmental policy.
**(d)** Navigating through the dense forest, the explorers relied entirely on a vintage compass.
**(e)** Sunlight filtered through the canopy, painting golden patterns on the forest floor.

**Q10.** Directions: Read the following sentences carefully, choose the one that is grammatically/contextually incorrect, and mark it as your answer.

**(a)** The ancient clock tower chimed midnight, echoing through the deserted cobblestone streets.
**(b)** Neither the manager nor the employees was prepared for the sudden market crash.
**(c)** Despite the heavy downpour, the passionate fans remained in the stadium to cheer.
**(d)** The intricate tapestry hung proudly on the wall, showcasing centuries of cultural heritage.
**(e)** Reading extensively helps individuals broaden their vocabulary and improve their cognitive abilities.

**Q11.** Directions: Read the following sentences carefully, choose the one that is grammatically/contextually incorrect, and mark it as your answer.

**(a)** A gentle breeze rustled the autumn leaves, signaling the imminent arrival of winter.
**(b)** The artisanal bakery at the corner sells the most delicious sourdough bread in town.
**(c)** He enjoys playing the guitar, writing poetry, and to paint beautiful watercolor landscapes.

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**(d)** Thoroughly exhausted from the long journey, the travelers immediately collapsed onto their beds.
**(e)** The sudden technological advancements have drastically altered how we communicate daily.

**Q12.** Directions: Given below are five scattered segments of a sentence. Indicate the correct sequence that correctly assembles the segments and makes a coherent sentence.

A. Technological advancements
B. have revolutionized communication,
C. more accessible for
D. making it faster and
E. people around the world.

**(a)** BACDE
**(b)** ABECD
**(c)** ABDCE
**(d)** CBDAE
**(e)** EBCAD

**Q13.** Directions: Given below are five scattered segments of a sentence. Indicate the correct sequence that correctly assembles the segments and makes a coherent sentence.

A. Advances in medical science
B. have led to
C. improved patient outcomes.
D. innovative treatments and
E. the development of

**(a)** ABEDC
**(b)** ABECD
**(c)** CBDAE
**(d)** ABCDE
**(e)** EBCAD

**Q14.** Directions: Given below are five scattered segments of a sentence. Indicate the correct sequence that correctly assembles the segments and makes a coherent sentence.

A. of each dish served.
B. was evident in
C. the exquisite flavours
D. and artistic presentation
E. The chef’s culinary expertise

**(a)** BACDE
**(b)** ABECD
**(c)** ABCDE
**(d)** EBCDA
**(e)** EBCAD

**Q15.** Directions: In the following question, the given table has two columns (I and II) containing three phrases each. The phrases are labelled A, B, and C in the first column and P, Q, and R in the second column. A phrase from the first column may or may not connect with a phrase in the second column to make a grammatically and contextually meaningful sentence. Identify the correct option given below that gives the correct sequence in which one or more sentences can be formed. If none of the options make a meaningful sentence, mark 'None of these' as your answer.

| Column I | Column II |
|---|---|
| (A) I don't like her because she is too tall and | (P) there's no point complaining now we are leaving tomorrow |
| (B) He is too young to come and in any case | (Q) if both parties have such a provision in their standard terms. |

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| | |
|---|---|
| (C) The major parties today are supported by two distinct coalitions of voters | (R) furthermore she smokes too much. |

**(a)** A-P and C-Q
**(b)** A-R
**(c)** B-Q and C-R
**(d)** B-Q
**(e)** None of these

**Q16.** Directions: In the following question, the given table has two columns (I and II) containing three phrases each. The phrases are labelled A, B, and C in the first column and P, Q, and R in the second column. A phrase from the first column may or may not connect with a phrase in the second column to make a grammatically and contextually meaningful sentence. Identify the correct option given below that gives the correct sequence in which one or more sentences can be formed. If none of the options make a meaningful sentence, mark 'None of these' as your answer.

| Column I | Column II |
|---|---|
| (A) Children have been routinely immunized against polio | (P) he is surprised when others believe him. |
| (B) Colm Henry is unquestionably Ireland's best known rock photographer, | (Q) childhood, her life has revolved around tennis. |
| (C) Since a politician never believes what he says, | (R) although he by no means limits his skills to the music area. |

**(a)** B-R and C-P
**(b)** B-Q
**(c)** C-R
**(d)** A-R and B-Q
**(e)** None of these

**Q17.** Directions: Select the phrase from the options below that should replace the underlined phrase in the sentence to make it grammatically correct. If the sentence is already correct, select 'No correction required' as your answer.

The company provides a styrofoam cushion to protect the tablets during shipping.

**(a)** Provide an styrofoam cushion to
**(b)** Provide a styrofoam cushion to
**(c)** Provides an styrofoam cushion for
**(d)** Provide an styrofoam cushion for
**(e)** No correction required

**Q18.** Directions: Select the phrase from the options below that should replace the underlined phrase in the sentence to make it grammatically correct. If the sentence is already correct, select 'No correction required' as your answer.

He sat down on the cot besides her and put an arm around her shoulders.

**(a)** On the cot besiding her
**(b)** On the cot beside her
**(c)** For the cot besides her
**(d)** From the cot besides her
**(e)** No correction required

**Directions**

Direction: In the following passage, some words have been left out. Read the passage carefully and select the correct answer for the given blank out of the given alternatives.

The youngster of today's modern world prefer (get)___ (1) into the matters of politics instead of (call)_ (2) it dirty and (remain) (3) apolitical which is an (amaze)_ (4) transformation for the nation as a whole. Given a chance they would be willing to change the political condition of the country for the better as they have nothing (lose) (5) and so much (gain)__ (6) here. The youth of modern India are aware of the problems facing our country and the world at large.

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**Q19.** Which of these should be filled at (1) as per the context of the passage?

**(a)** to get
**(b)** getting
**(c)** get
**(d)** having got
**(e)** None of the above

**Q20.** Which of these should be filled at (2) as per the context of the passage?

**(a)** to call
**(b)** calling
**(c)** call
**(d)** having called
**(e)** None of the above

**Q21.** Which of these should be filled at (3) as per the context of the passage?

**(a)** to remain
**(b)** remaining
**(c)** remain
**(d)** having remained
**(e)** None of the above

**Q22.** Which of these should be filled at (4) as per the context of the passage?

**(a)** to amaze
**(b)** amazing
**(c)** amaze
**(d)** having amaze
**(e)** None of the above

**Q23.** Which of these should be filled at (5) as per the context of the passage?

**(a)** to lose
**(b)** loosing
**(c)** loose
**(d)** having lost
**(e)** None of the above

**Q24.** Which of these should be filled at (6) as per the context of the passage?

**(a)** to gain
**(b)** gaining
**(c)** gain
**(d)** having gained
**(e)** None of the above

**Q25.** Directions: In the following sentence, four words given in bold are marked as A, B, C, and D, which are possible pairs to be interchanged. Choose the pair(s) of words that need to be interchanged to make the sentence grammatically correct and meaningful. If no interchange is required, mark option 5, i.e., "No interchange required", as your answer.

The physician prescribed an effective (A) regimen to relieve chronic deficiency (B) caused by severe nutritional fatigue (C) and prolonged physical exertion (D).

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

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**Q26.** Directions: In the following sentence, four words given in bold are marked as A, B, C, and D, which are possible pairs to be interchanged. Choose the pair(s) of words that need to be interchanged to make the sentence grammatically correct and meaningful. If no interchange is required, mark option 5, i.e., "No interchange required", as your answer.

The editor appreciated(A) the author's lucid (B) narrative despite occasional flow (C) that interrupted the natural redundancy (D) of the manuscript.

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

**Q27.** Directions: In the following sentence, four words given in bold are marked as A, B, C, and D, which are possible pairs to be interchanged. Choose the pair(s) of words that need to be interchanged to make the sentence grammatically correct and meaningful. If no interchange is required, mark option 5, i.e., "No interchange required", as your answer.

The expedition faced perilous (A) weather that significantly(B) delayed the rescue planning (C) despite meticulous logistical operation (D).

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

**Q28.** Directions: In the following sentence, four words given in bold are marked as A, B, C, and D, which are possible pairs to be interchanged. Choose the pair(s) of words that need to be interchanged to make the sentence grammatically correct and meaningful. If no interchange is required, mark option 5, i.e., "No interchange required", as your answer.

The auditor detected fraudulent (A) transactions that irregularities (B) substantial financial concealed (C) within the company's annual accounts (D).

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

**Q29.** Directions: In the following sentence, four words given in bold are marked as A, B, C, and D, which are possible pairs to be interchanged. Choose the pair(s) of words that need to be interchanged to make the sentence grammatically correct and meaningful. If no interchange is required, mark option 5, i.e., "No interchange required", as your answer.

The conservationists worked tirelessly(A) to balance (B) degraded wetlands and restore ecological rehabilitate (C) through community participation (D).

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

**Q30.** Evaluate the following word, accompanied by three sentences containing it. Determine the sentence(s) that accurately convey the meaning of the given word.

Window

A. The doctor opened the window to let in some fresh air.

B. She saw an opportunity to advance in her career as a window in her busy schedule.

C. The singer performed a beautiful ballad through the closed window.

**(a)** Only A
**(b)** Only B
**(c)** Both A & C
**(d)** Both B & C

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**(e)** None of these

**Q31.** Evaluate the following word, accompanied by three sentences containing it. Determine the sentence(s) that accurately convey the meaning of the given word.

Omen

A. The black cat crossing her path was considered an omen of bad luck.

B. His promotion at the start of the year was seen as an omen of his hard work paying off.

C. She bought a new car as an omen of their upcoming road trip.

**(a)** Only A
**(b)** Only B
**(c)** Both A & B
**(d)** Both B & C
**(e)** None of these

**Directions**

Directions: Read the given passage carefully to answer the following questions. Each question will have five alternatives as its answer. Choose the correct option as your answer.

The rapidly shifting landscape of media consumption has triggered a seismic change in how audiences consume entertainment. For decades, traditional linear cable television reigned supreme as the primary gateway to news, sports, and serialised drama. However, the meteoric rise of over-the-top (OTT) streaming services has disrupted this longstanding monopoly. Armed with vast on-demand libraries, ad-free subscription tiers, and highly personalised recommendation algorithms, streaming giants are continually proving that convenience is king. As subscription streaming services grow in popularity, traditional cable television operators are facing an existential crisis. The phenomenon of "cord-cutting", where consumers drop their legacy cable packages entirely in favour of digital streaming, is no longer a trend confined to tech-savvy youth; it has expanded across nearly all demographic segments. To counter this loss of subscribers, legacy cable networks have attempted to maintain revenue by inflating subscription costs and bundling regional sports channels. However, this strategy has only served to squeeze household budgets further, prompting price-sensitive consumers to migrate toward cheaper, flexible OTT plans. The direct conflict between OTT platforms and traditional television has forced both sides to rethink their long-term growth strategies. While streaming services initially focused on aggressive subscriber growth at any cost, the market is now reaching saturation. Streaming companies must now fight harder to retain existing users and increase total watch time. To boost viewership, platforms are experimenting with hybrid monetisation models, including lower-cost ad-supported subscription tiers, live sports broadcasting, and regional language content tailoring. Concurrently, traditional cable operators are pivoting toward hybrid setups, offering integrated set-top boxes that feature streaming apps alongside traditional channels, attempting to bridge the gap between broadcast television and digital convenience. Ultimately, the battle for consumer attention will depend on which medium can offer the most seamless blend of affordability, content variety, and accessibility.

**Q32.** According to the passage, how have traditional cable television operators attempted to counter the loss of subscribers?

**(a)** By investing heavily in original content.
**(b)** By offering free set-top boxes.
**(c)** By inflating subscription costs and bundling regional sports channels.
**(d)** By merging with OTT platforms.
**(e)** By reducing subscription prices.

**Q33.** The passage states that the phenomenon of 'cord-cutting' has _____.

**(a)** Remained confined to tech-savvy youth.
**(b)** Expanded across nearly all demographic segments.
**(c)** Seen a decline recently.
**(d)** Led to the downfall of all legacy cable networks.
**(e)** Increased the popularity of regional sports channels.

**Q34.** Which of the following is NOT cited in the passage as a strategy used by streaming platforms to boost viewership?

**(a)** Lower-cost ad-supported subscription tiers.
**(b)** Integration of set-top boxes.
**(c)** Live sports broadcasting.
**(d)** Regional language content tailoring.

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**(e)** Personalised recommendation algorithms.

**Q35.** Which of the following sentence(s) can be inferred from the passage?

A. The rise of streaming services has forced traditional cable operators to innovate.

B. Price-sensitive consumers prefer OTT plans over traditional cable packages.

C. Streaming services have now captured a larger audience than traditional cable TV.

**(a)** Only A
**(b)** Only B
**(c)** Only C
**(d)** Both A and B
**(e)** All A, B, and C

**Q36.** According to the passage, which of the following statements is incorrect?

A) Streaming services are using hybrid monetisation models including live sports broadcasting.

B) Traditional cable operators have seen a significant rise in subscribers recently.

C) Convenience is a key factor in the success of streaming services.

**(a)** Only A
**(b)** Only B
**(c)** Only C
**(d)** A and C
**(e)** B and C

**Q37.** According to the passage, which of the following statements is correct?

A) Traditional cable companies are integrating streaming apps into set-top boxes.

B) "Cord-cutting" is still primarily a phenomenon among young people.

C) OTT platforms have begun reducing their prices to attract more viewers.

**(a)** Only A
**(b)** Only B
**(c)** Only C
**(d)** A and B
**(e)** B and C

**Q38.** Which of the following words is similar in meaning to "squeeze" as used in the passage?

**(a)** Compress
**(b)** Concede
**(c)** Expand
**(d)** Augment
**(e)** Erect

**Q39.** Which of the following words is closest in meaning to "harder" as used in the passage?

**(a)** Simple
**(b)** Difficult
**(c)** Smooth
**(d)** Trivial
**(e)** Lenient

**Q40.** Which of the following words is opposite in meaning to "facing" as used in the passage?

**(a)** Confronting
**(b)** Evading
**(c)** Meeting
**(d)** Addressing
**(e)** Encountering

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## QUANTITATIVE APTITUDE

**Directions**

Following is the data regarding the number of students from different backgrounds admitted in IIM A and IIM B. Answer the questions that follow.

[Figure: see this question online]
[Figure: see this question online]

**Q41.** If the total intake of students in IIM A is 600 and the number of Engineering students admitted in IIM A is 80 less than the total intake of students in IIM B, then find the sum of the number of Commerce students admitted in both IIMs.

**(a)** 164
**(b)** 172
**(c)** 184
**(d)** 196
**(e)** 208

**Q42.** If the ratio of the difference of engineering students admitted in IIM A and IIM B to the difference of the Commerce students admitted in IIM A and IIM B is 9:1, what is the ratio of total intake of students in IIM A to that in IIM B?

**(a)** 115:92
**(b)** 135:82
**(c)** 125:102
**(d)** 145:102
**(e)** None of these

**Q43.** If the ratio of total intake in IIM A and IIM B is 4:3, what percent of their total intake is comprised of students from Backgrounds other than Engineering?

**(a)** 42.14%
**(b)** 33.33%
**(c)** 28.34%
**(d)** 18.30%
**(e)** None of these

**Q44.** If the ratio of the total intake of students in IIM A and IIM B is 6:5 and the average number of Arts students admitted in both IIMs is 147, what is the difference between their total intake?

**(a)** 180
**(b)** 160
**(c)** 150
**(d)** 200
**(e)** 220

**Q45.** If the total intake of IIM A is 400 and the number of Engineering students admitted in IIM B is 345 more than the number of students from the "Others" background admitted in IIM A, then what is the total intake of IIM B?

**(a)** 500
**(b)** 700
**(c)** 600
**(d)** 800
**(e)** None of these

**Q46.** Ratio of weights of copper and zinc in alloys P, Q and R are 5 : 3, 7 : 2 and 4 : 1 respectively. If X kg of alloy P is mixed with 9 kg of alloy Q and the mixture is then mixed with 15 kg of alloy R, then the ratio of weights of copper to zinc in the final mixture becomes 37 : 14. What is the value of X?

**(a)** 12 kg
**(b)** 16 kg
**(c)** 18 kg
**(d)** 20 kg

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**(e)** Other than above

**Q47.** A triangular field (whose all sides are equal) of perimeter 24 m is inscribed in a square field whose side is (5/3)rd of the side of the triangular field. What is the approximate value of the difference between the areas (in sq.m) of the triangular and square fields?

**(a)** 131
**(b)** 136
**(c)** 140
**(d)** 145
**(e)** 150

**Q48.** In a university, there are five cultural clubs. 10% students participated in all the clubs and 10% participated in none of the clubs. Out of the remaining students, 25% participated in only one club and 20% participated in four clubs. If the remaining 264 students participated in two clubs, then find the total number of students in the university.

**(a)** 500
**(b)** 600
**(c)** 400
**(d)** 300
**(e)** None of these

**Directions**

Read the data carefully and answer the following question.

There are some numbers of doctors and engineers in three cities A, B and C. The number of doctors in city A is 120 more than the number of engineers in city B. The ratio of the number of engineers in city A, B and C is 11: 8: 5 respectively. The number of engineers in city B and C together is equal to the number of doctors in city B. The number of doctors in city C is 'M' more than the number of engineers in city C. The number of doctors in city A and B are 5(M − 60) and 2600 respectively.

**Q49.** What is the sum of the number of doctors and engineers together in city A?

**(a)** 3720
**(b)** 3920
**(c)** 4020
**(d)** 4120
**(e)** 3820

**Q50.** Find the ratio of the number of doctors in city B to the number of engineers in city A.

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

**Q51.** Number of doctors in city A is what percentage more than the number of engineers in city C?

**(a)** 68%
**(b)** 72%
**(c)** 75%
**(d)** 80%
**(e)** 84%

**Q52.** If the number of doctors in city S is 25% more than that in city C and the number of engineers in city S is 'M + 50' less than the number of engineers in city C, then find the total number of doctors and engineers together in city S.

**(a)** 2285
**(b)** 2301
**(c)** 2315
**(d)** 2326
**(e)** 2340

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**Q53.** What is the difference between the numbers of engineers in city B and the number of doctors in city B and C together?

**(a)** 2204
**(b)** 2304
**(c)** 2404
**(d)** 2504
**(e)** 2604

**Q54.** Rajat bought the second-hand bike for a certain amount. He paid the installment of Rs. 10580 in two years at 15% compound interest. What is the amount at which Rajat bought the bike?

**(a)** Rs. 7,200
**(b)** Rs. 7,600
**(c)** Rs. 8,000
**(d)** Rs. 8,400
**(e)** Rs. 8,800

**Q55.** What should come in place of the question mark (?) in the following number series?

168, 142, 118, 96, 76, ?

**(a)** 64
**(b)** 62
**(c)** 60
**(d)** 58
**(e)** 56

**Q56.** What should come in place of the question mark (?) in the following number series?

20, 18, 32, 90, 352, ?

**(a)** 1750
**(b)** 1752
**(c)** 1760
**(d)** 1748
**(e)** 1756

**Q57.** What should come in place of the question mark (?) in the following number series?

145, 72, 71, 105, 208, ?

**(a)** 515
**(b)** 517.5
**(c)** 518.5
**(d)** 520
**(e)** 522.5

**Q58.** In an examination, the average marks of 10 students was found to be 58. On re-checking it was found that marks of one student was misprinted 36 instead of 66 and 45 instead of 55. What is the increase in the average marks after re-checking?

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

**Q59.** A train covered a certain distance at a uniform speed. If the train could have been 15 km/hr faster, it would have taken 3 hours less than the scheduled time to cover the same distance and if the train was 15 km/hr slower, it would have taken 5 hours more than the scheduled time to cover the same distance. The distance covered by the train is?

**(a)** 600 km
**(b)** 540 km
**(c)** 450 km

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**(d)** 720 km
**(e)** None of these

**Directions**

Read the data carefully and answer the following questions.

The table given below shows the number of articles printed by three printers on four different days.

| Days | Printer A | Printer B | Printer C |
|---|---|---|---|
| Monday | 360 | 480 | 300 |
| Tuesday | X + 40 | Y − X | 180 |
| Wednesday | 420 | 360 | 360 |
| Thursday | 600 | 420 | Y |

Note:

(i) The ratio of the total number of articles printed by Printer A to that by Printer C on Monday and Thursday together is 8: 5.

(ii) The average number of articles printed by Printer B on Tuesday and Wednesday together is 300.

**Q60.** Find the average of the number of articles printed by printer A and B together on Tuesday.

**(a)** 180
**(b)** 160
**(c)** 170
**(d)** 190
**(e)** 150

**Q61.** If the number of articles printed by printer D on Wednesday is 'X + Y', then find the difference between the number of articles printed by printer C and D on Wednesday.

**(a)** 60
**(b)** 0
**(c)** 120
**(d)** 40
**(e)** 30

**Q62.** In 2017, Ashish, Rajnish and Manish had salaries in the ratio (7/10) :(5/6) :(4/5). In 2018, their salaries increased by 7000, 5000 and 8000 respectively. The ratio of the salaries of Ashish, Rajnish and Manish in 2018 is 7:8:8. What was the salary of Manish in 2017?

**(a)** 48000
**(b)** 60000
**(c)** 72000
**(d)** 80000
**(e)** Cannot be determined

**Q63.** Number of articles printed by printer C on Monday is what percentage of the number of articles printed by printer A on Wednesday?

**(a)** 70%
**(b)** 75%
**(c)** 71(3/7)%
**(d)** 72.5%
**(e)** 80%

**Q64.** What is the ratio of the number of articles printed by printer B and C on Thursday respectively?

**(a)** 5:7
**(b)** 6:5
**(c)** 3:2
**(d)** 7:5

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**(e)** 8:5

**Q65.** If the sum of the number of articles printed by printer A on Thursday and Friday together is 1120, then find the number of articles printed by printer A on Friday.

**(a)** 480
**(b)** 520
**(c)** 560
**(d)** 500
**(e)** 540

**Q66.** The question consists of two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

What is the ratio of Milk to Water in the final mixture?

Statement I. Initially the ratio of Milk to Water is 7 : 5 and when 'x' litres of Milk and '2x' litres of Water are added, then the amount of Water becomes 12 litres more than the amount of Milk.

Statement II. Initially the difference between the amount of Milk and Water in the mixture is 8 litres.

**(a)** The data in statement I alone are sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
**(b)** The data in statement II alone are sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.
**(c)** The data either in statement I alone or in statement II alone is sufficient to answer the question.
**(d)** The data given in both statements I and II together is not sufficient to answer the question.
**(e)** The data in both statements I and II together is necessary to answer the question.

**Q67.** The question consists of two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question.

What is the total distance covered by the boat in 3 hours while moving upstream?

Statement I: Time taken by the boat to cover 80 km while floating along the stream is 6 times the time taken by the boat to cover 40 km in downstream.

Statement II: Time taken by the boat to cover 240 km in downstream is 3 hours.

**(a)** The data in statement I alone are sufficient to answer the question, while the data in statement II alone is not sufficient to answer the question.
**(b)** The data in statement II alone are sufficient to answer the question, while the data in statement I alone is not sufficient to answer the question.
**(c)** The data either in statement I alone or in statement II alone is sufficient to answer the question.
**(d)** The data given in both statements I and II together is not sufficient to answer the question.
**(e)** The data in both statements I and II together is necessary to answer the question.

**Q68.** Three taps A, B and C can fill a tank in 6 hr, 9 hr and 18 hr respectively. After (1/3)rd of the tank is filled, tap C is closed. Rest of the tank is filled by A and B together. Total time taken to fill the tank is?

**(a)** 3(2/5) hours
**(b)** 3 hours
**(c)** 2(2/5) hours
**(d)** 4 hours
**(e)** 2 hours

**Q69.** Ram sold a dining table at a loss of 8%. In order to earn a profit of 4%, he has to sell the table for Rs. 360 more than the previous selling price. What is the cost price of the table?

**(a)** Rs. 3000
**(b)** Rs. 2800
**(c)** Rs. 3200
**(d)** Rs. 2900
**(e)** Rs. 3100

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**Q70.** Ramesh alone started a business with an investment of Rs. 12,000 and after 6 months, Mohit joined him with an investment of Rs. 16,000. If at the end of 18 months from the start, the difference between the profit shares of Ramesh and Mohit is Rs. 3,000, then what is the total profit from the business?

**(a)** Rs. 39,000
**(b)** Rs. 45,000
**(c)** Rs. 42,000
**(d)** Rs. 48,000
**(e)** Rs. 51,000

## REASONING ABILITY

**Directions**

Directions: Study the following information carefully and answer the questions given below.

Eight persons — S, T, U, V, W, X, Y and Z — are sitting in a linear row facing either North or South, but not necessarily in the same order. Not more than two persons sitting together face the same direction.

Three persons sit between Y and S. Z sits second to the right of S and doesn't sit at any of the extreme ends of the row. More than one person sit between Z and Y. X sits fourth to the left of Z. Two persons sit between X and V. W sits second to the right of V. U sits fourth to the right of W. Both the immediate neighbours of X face the same direction. T and Y face the same direction. U and Y face opposite direction to each other. T doesn't face north.

**Q71.** Who among the following sits third to the right of U?

**(a)** Z
**(b)** T
**(c)** S
**(d)** V
**(e)** Y

**Q72.** What is the position of V with respect to X?

**(a)** Third to the right
**(b)** Fourth to the right
**(c)** Second to the left
**(d)** Third to the left
**(e)** Fourth to the left

**Q73.** Which of the following statement(s) is/are true?

I. T sits to the left of S.

II. Z faces North.

III. U sits at the extreme end of the row.

**(a)** Only I
**(b)** Only II
**(c)** Both I and III
**(d)** Both II and III
**(e)** All I, II and III

**Q74.** How many persons face north?

**(a)** Two
**(b)** Three
**(c)** Four
**(d)** Five
**(e)** Six

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**Q75.** How many persons sit between T and V?

**(a)** As many persons sit between Z and S.
**(b)** As many persons sit to the left of S.
**(c)** As many persons sit to the right of X.
**(d)** As many persons sit between Z and X.
**(e)** As many persons face south.

**Directions**

Directions: Study the following information carefully and answer the given questions.

Seven boxes- A, B, C, D, E, F and G have different colours i.e., Green, Pink, Black, Yellow, Red, Brown and Blue and all of them are kept one above the other. All the information is not necessarily in the same order.

At most two boxes are kept above the box B. The box which has Black colour is kept just above the box B. As many boxes are kept above the box which has Black colour as below box F. Three boxes are kept between box F and box D. The box which has Brown colour is kept two boxes below box D. Two boxes are kept between the box which has Brown colour and box G which is not kept at the topmost position. The box which has Yellow colour is kept just below the box which has Red colour and just above the box which has Green colour. Box E is kept just below the box which has Pink colour. Box C is kept below box A.

**Q76.** Four of the following five pairs are alike in a certain way and thus form a group. Which among the following combinations does not belong to the group?

**(a)** A - Blue colour
**(b)** E - Red colour
**(c)** A - Black colour
**(d)** F - Green colour
**(e)** B - Brown colour

**Q77.** Which among the following statement(s) is/are TRUE?

I). Box C doesn't kept above box G

II). Box A is kept at the topmost position

III). More than three boxes are kept below the box which has Pink colour

**(a)** Only I
**(b)** Both I and II
**(c)** Only III
**(d)** Both II and III
**(e)** All I, II and III

**Q78.** Which among the following box is kept at fifth position from the top?

**(a)** The box which has Black colour
**(b)** E
**(c)** G
**(d)** F
**(e)** The box which has Red colour

**Q79.** Which among the following boxes has a brown colour?

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

**Q80.** How many boxes are kept between box D and box C?

**(a)** None
**(b)** One
**(c)** Two
**(d)** Three

**(e)** More than three

**Q81.** How many such pairs of digits are there in the number '8571065491' (in both forward and backward direction), each of which has as many digits as between them in the number as are there in the general numerical order?

**(a)** None of these
**(b)** One
**(c)** Four
**(d)** Two
**(e)** More than four

**Directions**

Directions: Study the following information carefully and answer the questions given below:

Nine persons – R, S, T, U, V, W, X, Y and Z are designated at nine different designations – Chief General Manager (CGM), General Manager (GM), Assistant General Manager (AGM), Chief Manager (CM), Senior Manager (SM), Manager, Assistant Manager (AM), Probationary Officer (PO) and Clerk, but not necessarily in the same order.

The order of the designations is in decreasing order of seniority such that CGM is the seniormost designation and Clerk is the junior-most.

W is designated four persons senior to R. S is designated two persons junior to R. Y is designated immediately senior to W. Three persons are designated between Y and X. Z is designated junior to AM. More than four persons are designated between Z and T. V is designated junior to U but not immediately junior.

**Q82.** If U is related to General Manager and Z is related to Assistant Manager, then R is related to which of the following?

**(a)** Chief General Manager
**(b)** Assistant General Manager
**(c)** Chief Manager
**(d)** Senior Manager
**(e)** Manager

**Q83.** The number of persons designated senior to U is the same as the number of persons designated junior to _____.

**(a)** Z
**(b)** R
**(c)** V
**(d)** S
**(e)** T

**Q84.** Which of the following is the designation of S?

**(a)** Chief Manager
**(b)** Senior Manager
**(c)** Manager
**(d)** Assistant Manager
**(e)** Probationary Officer

**Q85.** How many persons are designated between T and the one who is designated immediately senior to Z?

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

**Q86.** Who among the following is designated as Assistant General Manager (AGM)?

**(a)** Z
**(b)** The one who is designated two persons senior to R
**(c)** R
**(d)** The one who is immediately junior to W.
**(e)** Y

**Q87.** If it is possible to make a meaningful word with the second, fifth, sixth, and tenth letters of the word "GENERATION" which of the following will be the second letter from the right end of that newly formed word? If more than one such word can be made, give M as the answer and if no such word can be made, give Y as the answer.

**(a)** A
**(b)** Y
**(c)** R
**(d)** M
**(e)** E

**Directions**

Directions: Read the following information carefully and answer the questions given below.

Ten persons – Q, R, S, T, U, V, W, X, Y and Z – live in a five-storey building. The ground floor is numbered 1, the floor above it is numbered 2, and so on up to the topmost floor numbered 5. Each floor has two flats, namely Flat-1 and Flat-2.

Flat-1 is to the west of Flat-2. Flat-1 of any floor is immediately above Flat-1 of the floor below it and immediately below Flat-1 of the floor above it. The same applies to Flat-2.

T lives three floors above Y in a different named flat. The one who lives to the east of T lives two floors above S. X lives just to the north-east of S. One floor is there between the floors of X and Q. Q and T live in the same named flat. W lives immediately below Q. V lives three floor above W in the same named flat. Z lives above U who doesn't live in the bottom-most floor

**Q88.** If T is related to X and in the same way S is related to Y then Q is related to who among the following?

**(a)** U
**(b)** Z
**(c)** Y
**(d)** X
**(e)** R

**Q89.** How many persons live between Z and Y in the same numbered flat?

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

**Q90.** In which floor and flat does R live?

**(a)** Flat 1, Floor 1
**(b)** Flat 2, Floor 2
**(c)** Flat 1, Floor 3
**(d)** Flat 2, Floor 1
**(e)** Flat 2, Floor 5

**Q91.** Which of the following pairs lives on the same floor?

**(a)** Z and U
**(b)** W and S
**(c)** Y and T
**(d)** X and R
**(e)** V and X

**Q92.** Who lives immediately below Z in the same numbered flat?

**(a)** Y
**(b)** Q
**(c)** R
**(d)** X
**(e)** S

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**Directions**

Directions: Read the instructions carefully and answer the question below.

In a family, P, Q, R, S, T, U, V, W, and X are the nine members. R is the paternal uncle of T who is the daughter of S. U is the paternal grandmother of V who is the only son of X. Q is the father-in-law of S who is the mother of W. W is the brother of T. X is married to R. Only married couples have kids, and both the parents are the members of the family.

**Q93.** How is R related to S?

**(a)** Brother
**(b)** Husband
**(c)** Brother-in-law
**(d)** Father-in-law
**(e)** Son

**Q94.** How is W related to Q?

**(a)** Son
**(b)** Daughter
**(c)** Son-in-law
**(d)** Grandson
**(e)** Nephew

**Q95.** How many female members are there in the family?

**(a)** Four
**(b)** Three
**(c)** Two
**(d)** Five
**(e)** Can’t be determined

**Directions**

Directions: Read the following information carefully and answer the questions given below.

Seven persons – T, U, V, W, X, Y and Z – sit around a circular shaped table facing the centre, but not necessarily in the same order. Each person likes a different colour – Red, Blue, Green, Yellow, Black, White and Pink, but not necessarily in the same order.

The one who likes white sits second to the right of W. Two persons sit between W and T. Two persons sit between T and the who likes green. W doesn’t like green and pink. X sits second to the right of one who likes green. Two persons sit between X and the one who likes pink. One of the immediate neighbour of T likes black colour. X doesn’t like black and red. The one who likes yellow sits second to the left of the one who likes pink. Z doesn’t like pink. Three persons sit between Z and the one who likes red. V sits immediate left of Y.

**Q96.** Which colour does X like?

**(a)** Black
**(b)** Yellow
**(c)** White
**(d)** Green
**(e)** Blue

**Q97.** Which of the following colour-person combinations is correct?

**(a)** Z – Green
**(b)** W – Yellow
**(c)** T – White
**(d)** Y – Black
**(e)** V – Pink

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**Q98.** What is the position of the U with respect to the one who likes red?

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

**Q99.** How many persons sit between X and the one who likes yellow colour when counted from the left of X?

**(a)** None
**(b)** Four
**(c)** Three
**(d)** One
**(e)** Five

**Q100.** Who among the following likes Green?

**(a)** Z
**(b)** X
**(c)** T
**(d)** Y
**(e)** U

## ANSWER KEY

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | b | 2 | a | 3 | d | 4 | c | 5 | e | 6 | b | 7 | c | 8 | a | 9 | c | 10 | b |
| 11 | c | 12 | c | 13 | a | 14 | d | 15 | b | 16 | a | 17 | e | 18 | b | 19 | b | 20 | b |
| 21 | b | 22 | b | 23 | a | 24 | a | 25 | b | 26 | d | 27 | d | 28 | b | 29 | b | 30 | c |
| 31 | a | 32 | c | 33 | b | 34 | b | 35 | d | 36 | b | 37 | a | 38 | a | 39 | b | 40 | b |
| 41 | d | 42 | c | 43 | a | 44 | d | 45 | b | 46 | e | 47 | e | 48 | b | 49 | b | 50 | b |
| 51 | b | 52 | b | 53 | c | 54 | c | 55 | d | 56 | a | 57 | b | 58 | c | 59 | e | 60 | c |
| 61 | b | 62 | c | 63 | c | 64 | d | 65 | b | 66 | e | 67 | e | 68 | a | 69 | a | 70 | e |
| 71 | c | 72 | d | 73 | c | 74 | b | 75 | d | 76 | a | 77 | d | 78 | e | 79 | b | 80 | c |
| 81 | e | 82 | c | 83 | b | 84 | e | 85 | d | 86 | d | 87 | d | 88 | e | 89 | c | 90 | d |
| 91 | e | 92 | d | 93 | c | 94 | d | 95 | a | 96 | e | 97 | e | 98 | d | 99 | b | 100 | d |

## SOLUTIONS

**Q1. Answer: (b) B**

The correct answer is Option 2.

Key Points

• The paragraph discusses the evolution of the modern Olympic Games from their revival to the present day.
• Sentence B is the first sentence, as it introduces the origin and revival of the modern Olympic Games:
• "The modern Olympic Games were revived in 1896 in Athens, inspired by the ancient contests once held in Greece."
• Sentence C follows as it describes the scale of the first edition mentioned in sentence B:
• "At their first edition, only a few nations took part, competing in a handful of disciplines."
• Sentence A is the third sentence because it contrasts the initial small scale with the subsequent expansion:
• "However, over time the movement expanded to embrace hundreds of events, thousands of athletes, and a truly global television audience."
• Sentence D is the fourth sentence (fixed) as it summarises the impact of the expansion mentioned in A:
• "This transformation turned a modest sporting revival into one of the most widely watched events on the planet."
• Sentence E follows as it introduces the negative aspects or challenges that came with the growth:

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• "Yet alongside this growth came challenges such as commercial pressures, disputes over doping, and the enormous cost of hosting."

• The final sentence, F, concludes with the current situation and the need for balance:

• "Today, organisers must therefore balance the celebration of athletic excellence with the practical demands of managing a massive international spectacle."

• The correct sequence is BCADEF.

Coherent paragraph after rearrangement:

"The modern Olympic Games were revived in 1896 in Athens, inspired by the ancient contests once held in Greece. At their first edition, only a few nations took part, competing in a handful of disciplines. However, over time the movement expanded to embrace hundreds of events, thousands of athletes, and a truly global television audience. This transformation turned a modest sporting revival into one of the most widely watched events on the planet. Yet alongside this growth came challenges such as commercial pressures, disputes over doping, and the enormous cost of hosting. Today, organisers must therefore balance the celebration of athletic excellence with the practical demands of managing a massive international spectacle."

**Q2. Answer: (a) C**

The correct answer is Option 1.

Key Points

• The paragraph discusses the evolution of the modern Olympic Games from their revival to the present day.

• Sentence B is the first sentence, as it introduces the origin and revival of the modern Olympic Games:

• "The modern Olympic Games were revived in 1896 in Athens, inspired by the ancient contests once held in Greece."

• Sentence C follows as it describes the scale of the first edition mentioned in sentence B:

• "At their first edition, only a few nations took part, competing in a handful of disciplines."

• Sentence A is the third sentence because it contrasts the initial small scale with the subsequent expansion:

• "However, over time the movement expanded to embrace hundreds of events, thousands of athletes, and a truly global television audience."

• Sentence D is the fourth sentence (fixed) as it summarises the impact of the expansion mentioned in A:

• "This transformation turned a modest sporting revival into one of the most widely watched events on the planet."

• Sentence E follows as it introduces the negative aspects or challenges that came with the growth:

• "Yet alongside this growth came challenges such as commercial pressures, disputes over doping, and the enormous cost of hosting."

• The final sentence, F, concludes with the current situation and the need for balance:

• "Today, organisers must therefore balance the celebration of athletic excellence with the practical demands of managing a massive international spectacle."

• The correct sequence is BCADEF.

Coherent paragraph after rearrangement:

"The modern Olympic Games were revived in 1896 in Athens, inspired by the ancient contests once held in Greece. At their first edition, only a few nations took part, competing in a handful of disciplines. However, over time the movement expanded to embrace hundreds of events, thousands of athletes, and a truly global television audience. This transformation turned a modest sporting revival into one of the most widely watched events on the planet. Yet alongside this growth came challenges such as commercial pressures, disputes over doping, and the enormous cost of hosting. Today, organisers must therefore balance the celebration of athletic excellence with the practical demands of managing a massive international spectacle."

**Q3. Answer: (d) A**

The correct answer is Option 4.

Key Points

• The paragraph discusses the evolution of the modern Olympic Games from their revival to the present day.

• Sentence B is the first sentence, as it introduces the origin and revival of the modern Olympic Games:

• "The modern Olympic Games were revived in 1896 in Athens, inspired by the ancient contests once held in Greece."

• Sentence C follows as it describes the scale of the first edition mentioned in sentence B:

• "At their first edition, only a few nations took part, competing in a handful of disciplines."

• Sentence A is the third sentence because it contrasts the initial small scale with the subsequent expansion:

• "However, over time the movement expanded to embrace hundreds of events, thousands of athletes, and a truly global television audience."

• Sentence D is the fourth sentence (fixed) as it summarises the impact of the expansion mentioned in A:

• "This transformation turned a modest sporting revival into one of the most widely watched events on the planet."

• Sentence E follows as it introduces the negative aspects or challenges that came with the growth:

• "Yet alongside this growth came challenges such as commercial pressures, disputes over doping, and the enormous cost of hosting."

• The final sentence, F, concludes with the current situation and the need for balance:

• "Today, organisers must therefore balance the celebration of athletic excellence with the practical demands of managing a massive international spectacle."

• The correct sequence is BCADEF.

Coherent paragraph after rearrangement:

"The modern Olympic Games were revived in 1896 in Athens, inspired by the ancient contests once held in Greece. At their first edition, only a few nations took part, competing in a handful of disciplines. However, over time the movement expanded to embrace hundreds of events, thousands of athletes, and a truly global television audience. This transformation turned a modest sporting revival into one of the most widely watched events on the planet. Yet alongside this growth came challenges such as commercial pressures, disputes over doping, and the enormous cost of hosting. Today, organisers must therefore balance the celebration of athletic excellence with the practical demands of managing a massive international spectacle."

**Q4. Answer: (c) E**

The correct answer is Option 3.

Key Points

• The paragraph discusses the evolution of the modern Olympic Games from their revival to the present day.

• Sentence B is the first sentence, as it introduces the origin and revival of the modern Olympic Games:

• "The modern Olympic Games were revived in 1896 in Athens, inspired by the ancient contests once held in Greece."

• Sentence C follows as it describes the scale of the first edition mentioned in sentence B:

• "At their first edition, only a few nations took part, competing in a handful of disciplines."

• Sentence A is the third sentence because it contrasts the initial small scale with the subsequent expansion:

• "However, over time the movement expanded to embrace hundreds of events, thousands of athletes, and a truly global television audience."

• Sentence D is the fourth sentence (fixed) as it summarises the impact of the expansion mentioned in A:

• "This transformation turned a modest sporting revival into one of the most widely watched events on the planet."

• Sentence E follows as it introduces the negative aspects or challenges that came with the growth:

• "Yet alongside this growth came challenges such as commercial pressures, disputes over doping, and the enormous cost of hosting."

• The final sentence, F, concludes with the current situation and the need for balance:

• "Today, organisers must therefore balance the celebration of athletic excellence with the practical demands of managing a massive international spectacle."

• The correct sequence is BCADEF.

Coherent paragraph after rearrangement:

"The modern Olympic Games were revived in 1896 in Athens, inspired by the ancient contests once held in Greece. At their first edition, only a few nations took part, competing in a handful of disciplines. However, over time the movement expanded to embrace hundreds of events, thousands of athletes, and a truly global television audience. This transformation turned a modest sporting revival into one of the most widely watched events on the planet. Yet alongside this growth came challenges such as commercial pressures, disputes over doping, and the enormous cost of hosting. Today, organisers must therefore balance the celebration of athletic excellence with the practical demands of managing a massive international spectacle."

**Q5. Answer: (e) F**

The correct answer is Option 5.

Key Points

• The paragraph discusses the evolution of the modern Olympic Games from their revival to the present day.

• Sentence B is the first sentence, as it introduces the origin and revival of the modern Olympic Games:

• "The modern Olympic Games were revived in 1896 in Athens, inspired by the ancient contests once held in Greece."

• Sentence C follows as it describes the scale of the first edition mentioned in sentence B:

• "At their first edition, only a few nations took part, competing in a handful of disciplines."

• Sentence A is the third sentence because it contrasts the initial small scale with the subsequent expansion:

• "However, over time the movement expanded to embrace hundreds of events, thousands of athletes, and a truly global television audience."

• Sentence D is the fourth sentence (fixed) as it summarises the impact of the expansion mentioned in A:

• "This transformation turned a modest sporting revival into one of the most widely watched events on the planet."

• Sentence E follows as it introduces the negative aspects or challenges that came with the growth:

• "Yet alongside this growth came challenges such as commercial pressures, disputes over doping, and the enormous cost of hosting."

• The final sentence, F, concludes with the current situation and the need for balance:

• "Today, organisers must therefore balance the celebration of athletic excellence with the practical demands of managing a massive international spectacle."

• The correct sequence is BCADEF.

Coherent paragraph after rearrangement:

"The modern Olympic Games were revived in 1896 in Athens, inspired by the ancient contests once held in Greece. At their first edition, only a few nations took part, competing in a handful of disciplines. However, over time the movement expanded to embrace hundreds of events, thousands of athletes, and a truly global television audience. This transformation turned a modest sporting revival into one of the most widely watched events on the planet. Yet alongside this growth came challenges such as commercial pressures, disputes over doping, and the enormous cost of hosting. Today, organisers must therefore balance the celebration of athletic excellence with the practical demands of managing a massive international spectacle."

**Q6. Answer: (b) The company has decided to invest heavily in renewable energy sources to reduce carbon emissions.**

The correct answer is Option 2, i.e., The company has decided to invest heavily in renewable energy sources to reduce carbon emissions.

Key Points

• Option 1: "Every men and women in the country must contribute to the development of the nation."

• The phrase "Every men and women" is grammatically incorrect. It should be "Every man and woman" because "every" is followed by a singular noun.

• Option 2: "The company has decided to invest heavily in renewable energy sources to reduce carbon emissions."

• This sentence is grammatically correct and contextually appropriate. It conveys a clear and meaningful idea without any errors.

• Option 3: "The school principal, along with the senior teachers, are planning a historical field trip."

• The subject "The school principal" is singular, and the phrase "along with the senior teachers" is additional information. Therefore, the verb should be "is" instead of "are."

• Option 4: "She speaks the French language fluent, making her perfect for the international translation job."

• The word "fluent" is incorrect in this context. It should be "fluently," an adverb modifying the verb "speaks."

• Option 5: "Although the uphill journey was exhausting, but they thoroughly enjoyed the picturesque landscapes."

• The conjunction "but" is unnecessary because "although" already indicates contrast. Using both creates redundancy.

Therefore, the correct answer is Option 2.

Additional Information

• Subject-verb agreement: The verb must agree with the subject in number (singular/plural). For example, in Option 3, "is" should be used instead of "are."

• Adjective vs. Adverb: Adverbs modify verbs, adjectives, or other adverbs. For example, in Option 4, "fluently" is the correct adverbial form.

• Conjunction usage: Avoid redundancy by not using two conjunctions that serve the same purpose, as seen in Option 5.

**Q7. Answer: (c) The majestic golden eagle soared effortlessly above the snow-capped mountain peaks.**

The correct answer is Option 3, i.e., The majestic golden eagle soared effortlessly above the snow-capped mountain peaks.

Key Points

• Option 1: "The department manager asked the team members to divide the tasks between the three of them" is incorrect because "between" is used for two entities, whereas "among" should be used for more than two.

• Option 2: "Neither of the external candidates were deemed suitable for the vacant managerial position" is incorrect because "neither" is singular, so the verb should be "was," not "were."

• Option 3: "The majestic golden eagle soared effortlessly above the snow-capped mountain peaks" is correct as it is grammatically accurate and contextually appropriate.

• Option 4: "It is high time you start preparing for your final university examinations" is incorrect because "high time" requires the past tense, so it should be "started."

• Option 5: "My family and I have visited the Taj Mahal last year during our summer vacation" is incorrect because "last year" refers to a specific past time, so the present perfect tense "have visited" should be replaced by the simple past "visited."

Therefore, the correct answer is Option 3.

Additional Information

• Rule for "between" vs. "among": Use "between" for two entities and "among" for more than two.

• Singular and Plural Agreement: Words like "neither" and "either" are singular and must take singular verbs.

• High Time Usage: The phrase "it is high time" is followed by a past tense verb to indicate urgency.

• Present Perfect vs. Simple Past: Present perfect is used for actions with an unspecified time in the past, while simple past is used for actions at a specific time in the past.

**Q8. Answer: (a) The children were playing joyfully in the garden when it suddenly started raining.**

The correct answer is Option 1, i.e., "The children were playing joyfully in the garden when it suddenly started raining."

Key Points

• Option 1 is grammatically and contextually correct. It uses the past continuous tense ("were playing") to describe an ongoing action, followed by the past simple tense ("started raining") to indicate an event that interrupted the ongoing action. This structure is appropriate and clear.

• Option 2 is incorrect because "did not wrote" is grammatically wrong. The correct form is "did not write" (base verb after "did").

• Option 3 is incorrect because "Unless you do not" is a double negative and creates confusion. The correct phrasing should be "Unless you apologize for your rude behavior, I will not forgive you."

• Option 4 is incorrect because "The amount of students" is incorrect usage. The correct term is "The number of students," as "students" is countable.

• Option 5 is incorrect because "the more intelligent" is incorrect in this context. The correct phrase should be "the most intelligent," as it compares one student to all others in the class.

Therefore, the correct answer is Option 1.

Additional Information

• Past Continuous Tense: Used to describe actions that were ongoing in the past, often interrupted by another action in the past.

• Past Simple Tense: Used to describe completed actions in the past.

• Common Errors: Avoid double negatives, incorrect verb forms, and inappropriate usage of quantifiers like "amount" for countable nouns.

**Q9. Answer: (c) The committee have finally reached a unanimous decision regarding the new environmental policy.**

The correct answer is Option 3, i.e., "The committee have finally reached a unanimous decision regarding the new environmental policy."

Key Points

• The error lies in the verb agreement with the subject "The committee."

• "Committee" is a collective noun, and whether it takes a singular or plural verb depends on how it is being used.

• When the committee is acting as a single entity, a singular verb (e.g., "has") is used.

• In this case, the sentence indicates that the committee reached a single unanimous decision, so it should use the singular verb "has."

Correct sentence: "The committee has finally reached a unanimous decision regarding the new environmental policy."

Additional Information

• Collective Nouns: These nouns refer to groups of people or things (e.g., team, family, committee).

• They take:

• Singular verbs: When the group is acting as one unit (e.g., "The family is having dinner.").

• Plural verbs: When the members of the group are acting individually (e.g., "The family are arguing about dinner.").

• In this question, the committee is acting as a single entity, so the singular verb "has" is appropriate.

**Q10. Answer: (b) Neither the manager nor the employees was prepared for the sudden market crash.**

The correct answer is Option 2, i.e., Neither the manager nor the employees was prepared for the sudden market crash.

Key Points

• The sentence contains a grammatical error in subject-verb agreement.

• When using "Neither...nor" as a conjunction, the verb agrees with the subject closest to it.

• In this case, the subject "employees" is plural, so the verb should also be plural.

• The correct form of the sentence is: "Neither the manager nor the employees were prepared for the sudden market crash."

Therefore, the correct answer is Option 2.

Additional Information

• Option 1: "The ancient clock tower chimed midnight, echoing through the deserted cobblestone streets." This sentence is correct as it uses proper grammar and conveys its meaning clearly.

• Option 3: "Despite the heavy downpour, the passionate fans remained in the stadium to cheer." This is grammatically correct and contextually appropriate.

• Option 4: "The intricate tapestry hung proudly on the wall, showcasing centuries of cultural heritage." This sentence is error-free and effectively conveys the intended meaning.

• Option 5: "Reading extensively helps individuals broaden their vocabulary and improve their cognitive abilities." This sentence is also correct in terms of grammar and context.

**Q11. Answer: (c) He enjoys playing the guitar, writing poetry, and to paint beautiful watercolor landscapes.**

The correct answer is Option 3.

Key Points

• Option 3 contains a grammatical error in the parallel structure of the list.

• Parallel structure requires all items in a list to have the same grammatical form.

• In the given sentence, "playing the guitar," "writing poetry," and "to paint beautiful watercolor landscapes" are listed together.

• While the first two items are in the gerund form (playing, writing), the third item is in the infinitive form (to paint), which disrupts the parallel structure.

• The correct sentence should be: "He enjoys playing the guitar, writing poetry, and painting beautiful watercolor landscapes."

Therefore, the correct answer is Option 3.

Additional Information

• Option 1: "A gentle breeze rustled the autumn leaves, signaling the imminent arrival of winter." — This sentence is grammatically correct and contextually appropriate.

• Option 2: "The artisanal bakery at the corner sells the most delicious sourdough bread in town." — This sentence is also correct and free of errors.

• Option 4: "Thoroughly exhausted from the long journey, the travelers immediately collapsed onto their beds." — This sentence has no errors and is grammatically accurate.

• Option 5: "The sudden technological advancements have drastically altered how we communicate daily." — This sentence is grammatically correct and contextually valid.

**Q12. Answer: (c) ABDCE**

The correct answer is Option (3) i.e. ABDCE

Key Points

• The sentence begins with the subject "Technological advancements", which is correctly indicated by part (A).

• Following the subject, "have revolutionized communication," (AB) continues the logical sequence, making it clear what advancements have done.

• The next part, "making it faster and" (D), adds detail about the impact of these advancements.

• Then comes "more accessible for" (C), which further elaborates on the benefit.

• Ending with "people around the world" (E) completes the sentence by specifying who benefits.

Therefore, the correct answer is ABDCE.

Additional Information

• Option 1 (BACDE): This option starts with "have revolutionized communication," which is grammatically incorrect without a subject.

• Option 2 (ABECD): This option places "more accessible for" before "making it faster," which disrupts the logical flow.

• Option 4 (CBDAE): This option begins with "more accessible for," which cannot stand alone as the subject.

• Option 5 (EBCAD): This option starts with "people around the world," which makes the sentence incomplete and awkward.

**Q13. Answer: (a) ABEDC**

The correct answer is 'Option 1 (ABEDC)'.

Key Points

• A (Advances in medical science) introduces the subject.

• B (have led to) starts the predicate, indicating what the advances have caused.

• E (the development of) continues the explanation.

• D (innovative treatments and) specifies what has been developed.

• C (improved patient outcomes.) concludes the sentence by stating the results.

Therefore, the correct sequence is: A B E D C.

Complete Sentence: Advances in medical science have led to the development of innovative treatments and improved patient outcomes.

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Additional Information

• This sequence logically and grammatically connects all segments, making a coherent sentence about the impact of medical science advancements.

**Q14. Answer: (d) EBCDA**

The correct answer is 'Option 4 (EBCDA)'.

Key Points

• E (The chef's culinary expertise) introduces the subject of the sentence.

• B (was evident in) starts the predicate, indicating what was clear or obvious.

• C (the exquisite flavours) describes one area of expertise.

• D (and artistic presentation) adds another aspect with "and".

• A (of each dish served.) completes the sentence by specifying the context.

Therefore, the correct sequence is: E B C D A.

Complete Sentence: The chef's culinary expertise was evident in the exquisite flavours and artistic presentation of each dish served.

Additional Information

• This sequence forms a logical and grammatically correct sentence, clearly describing how the chef's expertise was demonstrated.

**Q15. Answer: (b) A-R**

The solution is in Hindi. Read it online.

**Q16. Answer: (a) B-R and C-P**

The solution is in Hindi. Read it online.

**Q17. Answer: (e) No correction required**

The correct answer is 'No correction required.'

Key Points

• In the underlined segment of the given sentence, no correction is required.

• The subject 'company' in the given sentence is a singular subject.

• The singular form of the verb 'provides' is used with the singular subject 'company'.

• The article 'a' is used before nouns or adjectives (here, styrofoam) that start with a consonant sound.

• The to-infinitive is used correctly for expressing the purpose of something.

• Thus no change is required in the given sentence.

Hence, the correct answer is option 5.

Correct sentence: The company provides a styrofoam cushion to protect the tablets during shipping.

Additional Information

• Subjects and verbs must agree with one another in number (singular or plural).

• Thus, if a subject is singular, its verb must also be singular; if the subject is plural, its verb must also be plural.

**Q18. Answer: (b) On the cot beside her**

The correct answer is 'On the cot beside her.'

Key Points

• In the underlined part of the given sentence, the use of the preposition 'besides' is incorrect.

• The preposition 'besides' means "in addition to" or "apart from" somebody or something.

• Example: Besides being a singer, she is a good dancer.

• **The given sentence is talking about a boy who sat down next to a girl on the cot. (Cot means Sofa or Couch)

• Therefore, the preposition 'beside' should be used in place of the preposition 'besides'.

• The preposition 'beside' means "close to" or "next to" somebody or something.

• Example: He sat down beside me.

Hence, the correct answer is option 2.

Correct Sentence: He sat down on the cot beside her and put an arm around her shoulders.

**Q19. Answer: (b) getting**

The correct answer is 'getting'.

Key Points

• The passage talks about the preference of youngsters in today's modern world.

• The verb form needs to match with "prefer" which is followed by a gerund.

• "Getting" fits well as it denotes the action of engaging in politics and aligns with the verb "prefer".

• Other options ("to get", "get", "having got") do not fit the grammatical structure of the sentence.

Therefore, the correct answer is 'Option 2'.

Complete Passage: The youngster of today's modern world prefer getting into the matters of politics instead of (call)___ (2) it dirty and (remain) (3) apolitical which is an (amaze)_ (4) transformation for the nation as a whole. Given a chance they would be willing to change the political condition of the country for the better as they have nothing (lose) (5) and so much (gain)__ (6) here. The youth of modern India are aware of the problems facing our country and the world at large.

Additional Information

• To get: This form does not match the preference pattern.

• Get: This form is incorrect as it does not fit after "prefer".

• Having got: This form is past perfect and not suitable here.

**Q20. Answer: (b) calling**

The correct answer is 'calling'.

Key Points

• The passage talks about the preference of youngsters in today's modern world.

• The verb form needs to follow a structure where it matches with "instead of", which is typically followed by a gerund.

• "Calling" fits well as it denotes the continuous action of labelling politics as dirty and aligns with the verb phrase "instead of".

• Other options ("to call", "call", "having called") do not fit the grammatical structure of the sentence.

Therefore, the correct answer is 'Option 2'.

Complete Passage: The youngster of today's modern world prefer getting into the matters of politics instead of calling it dirty and (remain)__ (3) apolitical which is an (amaze)_ (4) transformation for the nation as a whole. Given a chance they would be willing to change the political condition of the country for the better as they have nothing (lose) (5) and so much (gain)__ (6) here. The youth of modern India are aware of the problems facing our country and the world at large.

Additional Information

• To call: This form does not match the structure following "instead of".

• Call: This form is incorrect as it does not fit the "instead of" structure.

• Having called: This form is past perfect and not suitable here.

**Q21. Answer: (b) remaining**

The correct answer is 'remaining'.

Key Points

• The passage talks about the preference of youngsters in today's modern world.

• The verb form needs to match with "prefer", which is followed by gerunds in this context.

• "Remaining" fits well as it denotes the continuous action of being apolitical and aligns with the other gerund forms used in the passage.

• Other options ("to remain", "remain", "having remained") do not fit the grammatical structure and the parallel construction of the sentence.

Therefore, the correct answer is 'Option 2'.

Complete Passage: The youngster of today's modern world prefer getting into the matters of politics instead of calling it dirty and remaining apolitical which is an (amaze)___ (4) transformation for the nation as a whole. Given a chance they would be willing to change the political condition of the country for the better as they have nothing (lose) (5) and so much (gain)__ (6) here. The youth of modern India are aware of the problems facing our country and the world at large.

Additional Information

• To remain: This form does not match the structure following "instead of".

• Remain: This form is incorrect as it does not fit after "instead of".

• Having remained: This form is past perfect and not suitable here.

**Q22. Answer: (b) amazing**

The correct answer is 'amazing'.

Key Points

• The passage talks about the preference of youngsters in today's modern world.

• The word needs to describe the transformation of the nation in a positive and impressive light.

• "Amazing" fits well as it is an adjective that aptly describes the transformation mentioned in the passage.

• Other options ("to amaze", "amaze", "having amaze") do not fit the grammatical structure and are not suitable adjectives in this context.

Therefore, the correct answer is 'Option 2'.

Complete Passage: The youngster of today's modern world prefer getting into the matters of politics instead of calling it dirty and remaining apolitical which is an amazing transformation for the nation as a whole. Given a chance they would be willing to change the political condition of the country for the better as they have nothing (lose)__ (5) and so much (gain)__ (6) here. The youth of modern India are aware of the problems facing our country and the world at large.

Additional Information

• To amaze: This form is not appropriate as it is an infinitive verb.

• Amaze: This form is incorrect as it is a base verb.

• Having amaze: This form is grammatically incorrect.

**Q23. Answer: (a) to lose**

The correct answer is 'to lose'.

Key Points

• The passage talks about the willingness of youngsters to change the political condition of the country.

• The infinitive form "to lose" is correct as it follows the phrase "nothing to".

• "To lose" fits well as it indicates that they have no risk or downside, aligning with the positive outlook of the passage.

• Other options ("loosing", "loose", "having lost") are incorrect or do not fit the grammatical structure and meaning of the sentence.

Therefore, the correct answer is 'Option 1'.

Complete Passage: The youngster of today's modern world prefer getting into the matters of politics instead of calling it dirty and remaining apolitical which is an amazing transformation for the nation as a whole. Given a chance they would be willing to change the political condition of the country for the better as they have nothing to lose and so much (gain)____ (6) here. The youth of modern India are aware of the problems facing our country and the world at large.

Additional Information

• Loosing: Incorrect spelling and form of the verb.

• Loose: Incorrect form as it is an adjective, not a verb.

• Having lost: This form is past perfect and not suitable here.

**Q24. Answer: (a) to gain**

The correct answer is 'to gain'.

Key Points

• The passage talks about the willingness of youngsters to bring about change for the better, indicating benefits and positive outcomes.

• The infinitive form "to gain" is correct as it follows the parallel structure of "nothing to lose" and indicates what they stand to benefit from the change.

• "To gain" fits well as it complements the phrase "so much", showing the potential advantages they are eager to achieve.

• Other options ("gaining", "gain", "having gained") do not fit the grammatical structure and intended meaning of the passage.

Therefore, the correct answer is 'Option 1'.

Complete Passage: The youngster of today's modern world prefer getting into the matters of politics instead of calling it dirty and remaining apolitical which is an amazing transformation for the nation as a whole. Given a chance they would be willing to change the political condition of the country for the better as they have nothing to lose and so much to gain here. The youth of modern India are aware of the problems facing our country and the world at large.

Additional Information

• Gaining: This form does not fit the parallel structure with "to lose".

• Gain: This form is incorrect without the "to" infinitive structure.

• Having gained: This form is past perfect and not suitable here.

**Q25. Answer: (b) B-C**

The solution is in Hindi. Read it online.

**Q26. Answer: (d) C-D**

The solution is in Hindi. Read it online.

**Q27. Answer: (d) C-D**

The solution is in Hindi. Read it online.

**Q28. Answer: (b) B-C**

The solution is in Hindi. Read it online.

**Q29. Answer: (b) B-C**

The solution is in Hindi. Read it online.

**Q30. Answer: (c) Both A & C**

The solution is in Hindi. Read it online.

**Q31. Answer: (a) Only A**

The solution is in Hindi. Read it online.

**Q32. Answer: (c) By inflating subscription costs and bundling regional sports channels.**

The correct answer is Option 3.

Key Points

• Traditional cable television operators have been facing an existential crisis due to the rise of OTT platforms.

• To counter this loss of subscribers, they have attempted to maintain revenue by inflating subscription costs.

• Additionally, they have bundled regional sports channels in their offerings.

• These measures have only served to squeeze household budgets further and have prompted consumers to migrate toward cheaper, flexible OTT plans.

Therefore, the correct answer is Option 3.

Additional Information

• Option 1: Investing heavily in original content is a strategy more commonly associated with OTT platforms.

• Option 2: Offering free set-top boxes is not mentioned in the passage as a strategy used by traditional cable operators.

• Option 4: Merging with OTT platforms is not discussed in the passage.

• Option 5: Reducing subscription prices is contrary to what the passage states about inflating subscription costs.

**Q33. Answer: (b) Expanded across nearly all demographic segments.**

The correct answer is Option 2.

Key Points

• The passage discusses the phenomenon of "cord-cutting," where consumers drop traditional cable packages in favour of digital streaming services.

• Initially, this trend was associated primarily with tech-savvy youth.

• However, it has now expanded across nearly all demographic segments.

• This indicates a broad acceptance and adoption of streaming services across different age groups and demographics.

Therefore, the correct answer is Option 2.

Additional Information

• Option 1: The passage explicitly states that cord-cutting is no longer confined to tech-savvy youth.

• Option 3: The passage does not mention any decline in the phenomenon of cord-cutting.

• Option 4: The passage does not state that cord-cutting has led to the downfall of all legacy cable networks.

• Option 5: The passage mentions bundling regional sports channels as a strategy, but does not link this directly to the phenomenon of cord-cutting.

**Q34. Answer: (b) Integration of set-top boxes.**

The correct answer is Option 2.

Key Points

• The passage mentions several strategies used by streaming platforms to boost viewership.

• These strategies include lower-cost ad-supported subscription tiers, live sports broadcasting, and regional language content

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tailoring.

• Personalised recommendation algorithms are mentioned as a feature of streaming services that provide convenience, though not explicitly as a strategy for boosting viewership.

• Integration of set-top boxes is cited as a strategy used by traditional cable operators, not streaming platforms.

Therefore, the correct answer is Option 2.

Additional Information

• Option 1: Lower-cost ad-supported subscription tiers are mentioned in the passage as a strategy to boost viewership.

• Option 3: Live sports broadcasting is mentioned in the passage as a strategy to boost viewership.

• Option 4: Regional language content tailoring is mentioned in the passage as a strategy to boost viewership.

• Option 5: Personalised recommendation algorithms are mentioned as a feature that contributes to the convenience of streaming services.

**Q35. Answer: (d) Both A and B**

The correct answer is 'Option 4'.

Key Points

• A) The rise of streaming services has forced traditional cable operators to innovate.

• This can be inferred from the passage. The passage explicitly mentions that traditional cable operators are attempting to integrate set-top boxes featuring streaming apps alongside traditional channels.

• B) Price-sensitive consumers prefer OTT plans over traditional cable packages.

• This can be inferred from the passage. The passage states that inflating subscription costs has led price-sensitive consumers to migrate toward cheaper, flexible OTT plans.

• C) Streaming services have now captured a larger audience than traditional cable TV.

• This cannot be inferred from the passage. The passage discusses shifting trends but does not provide data or statements confirming that streaming services have a larger audience compared to traditional cable TV.

Therefore, the correct answer is Both A and B.

Additional Information

• Only A: Incorrect because both A and B can be inferred from the passage.

• Only B: Incorrect because both A and B can be inferred from the passage.

• All A, B, and C: Incorrect because C cannot be inferred from the passage.

• Only C: Incorrect because C cannot be inferred from the passage.

**Q36. Answer: (b) Only B**

The correct answer is Option 2.

Key Points

• Statement A: Streaming services are using hybrid monetisation models including live sports broadcasting.

• This statement is correct as it accurately reflects the context provided in the passage.

• Statement B: Traditional cable operators have seen a significant rise in subscribers recently.

• The passage mentions that traditional cable operators are facing an existential crisis due to the loss of subscribers. Hence, it does not support this statement.

• Statement C: Convenience is a key factor in the success of streaming services.

• This statement is correct as it aligns with the information provided in the passage about the importance of convenience for streaming services.

• Hence, the statement B is identified as incorrect in the context of the passage.

Therefore, the correct answer is: ‘Only B’.

**Q37. Answer: (a) Only A**

The correct answer is Option 1.

Key Points

• Statement A: Traditional cable companies are integrating streaming apps into set-top boxes.

• This statement is correct as it accurately reflects the context provided in the passage about traditional cable operators pivoting toward hybrid setups.

• Statement B: "Cord-cutting" is still primarily a phenomenon among young people.

• The passage mentions that "cord-cutting" has expanded across nearly all demographic segments, hence this statement is not correct.

• Statement C: OTT platforms have begun reducing their prices to attract more viewers.

• The passage does not specifically mention OTT platforms reducing their prices but talks about hybrid monetisation models, making this statement incorrect.

• Hence, the statement A is identified as correct in the context of the passage.

Therefore, the correct answer is: 'Only A'.

**Q38. Answer: (a) Compress**

The solution is in Hindi. Read it online.

**Q39. Answer: (b) Difficult**

The solution is in Hindi. Read it online.

**Q40. Answer: (b) Evading**

The solution is in Hindi. Read it online.

**Q41. Answer: (d) 196**

Let the total number of students in IIM A be 100a and in IIM B be 100b.

For IIM A:

Number of students in Engineering = 60a

Number of students in Commerce = 18a

Number of students in Arts = 12a

Number of students in Others = 10a

For IIM B:

Number of students in Engineering = 55b

Number of students in Commerce = 20b

Number of students in Arts = 15b

Number of students in Others = 10b

Let total intake in IIM A = 100a and in IIM B = 100b.

Given, total students in IIM A = 600

100a = 600

So, a = 6

ATQ, Engineering students in IIM A are 80 less than the total intake of students in IIM B.

60a = 100b – 80

Substitute (a = 6):

60 x 6 = 100b – 80

360 = 100b – 80

100b = 440

So, b = 4.4

Required sum of Commerce students = 18a + 20b

= 18 x 6 + 20 x 4.4

= 108 + 88 = 196

**Q42. Answer: (c) 125:102**

Let the total number of students in IIM A be 100a and in IIM B be 100b.

For IIM A:

Number of students in Engineering = 60a

Number of students in Commerce = 18a

Number of students in Arts = 12a

Number of students in Others = 10a

For IIM B:

Number of students in Engineering = 55b

Number of students in Commerce = 20b

Number of students in Arts = 15b

Number of students in Others = 10b

ATQ, {60a - 55b}/{18a – 20b} = {9/1}
Or, 60a – 55b = 9(18a – 20b)
Or, 60a – 55b = 162a – 180b
Or, 125b = 102a
Or, {a/b} = {125/102}
Ratio of total intake =100a:100b = a: b =125:102

**Q43. Answer: (a) 42.14%**

Let the total number of students in IIM A be 100a and in IIM B be 100b.
For IIM A:
Number of students in Engineering = 60a
Number of students in Commerce = 18a
Number of students in Arts = 12a
Number of students in Others = 10a
For IIM B:
Number of students in Engineering = 55b
Number of students in Commerce = 20b
Number of students in Arts = 15b
Number of students in Others = 10b
Let total intake in IIM A = 400 and IIM B = 300.
Total intake combined =400 + 300 = 700
Other than Engineering in IIM A = 40%of 400=160
Other than Engineering in IIM B = 45% of 300=135
Total students from backgrounds other than Engineering =160+135=295
Required percentage = {295/700} x 100 = 42.14%

**Q44. Answer: (d) 200**

Let the total number of students in IIM A be 100a and in IIM B be 100b.
For IIM A:
Number of students in Engineering = 60a
Number of students in Commerce = 18a
Number of students in Arts = 12a
Number of students in Others = 10a
For IIM B:
Number of students in Engineering = 55b
Number of students in Commerce = 20b
Number of students in Arts = 15b
Number of students in Others = 10b
Let total intake of IIM A = 600x and IIM B = 500x.
Arts students in IIM A =12% of 600x = 72x
Arts students in IIM B =15% of 500x = 75x
Average = {72x + 75x}/2 = 73.5x
ATQ,
73.5x = 147
Or, x = 2
Difference in total intake =600x – 500x =100x =100 x 2 = 200

**Q45. Answer: (b) 700**

Let the total number of students in IIM A be 100a and in IIM B be 100b.
For IIM A:
Number of students in Engineering = 60a
Number of students in Commerce = 18a
Number of students in Arts = 12a

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Number of students in Others = 10a
For IIM B:
Number of students in Engineering = 55b
Number of students in Commerce = 20b
Number of students in Arts = 15b
Number of students in Others = 10b
Total intake in IIM A = 100a = 400
So, a = 4
"Others" students in IIM A = 10a = 10 x 4 = 40
Engineering students in IIM B = 40 + 345 = 385
Since Engineering students constitute 55% of the total intake in IIM B,
55b = 385
So, b = 7
Total intake in IIM B = 100b = 100 x 7 = 700

**Q46. Answer: (e) Other than above**

Copper in X kg of alloy P = 5X/8 kg
Zinc in X kg of alloy P = 3X/8 kg
Copper in 9 kg of alloy Q = 9 × (7/9) = 7 kg
Zinc in 9 kg of alloy Q = 9 × (2/9) = 2 kg
Copper in 15 kg of alloy R = 15 × (4/5) = 12 kg
Zinc in 15 kg of alloy R = 15 × (1/5) = 3 kg
Total copper in final mixture = (5X/8) + 7 + 12 = (5X/8) + 19
Total zinc in final mixture = (3X/8) + 2 + 3 = (3X/8) + 5
ATQ, [(5X/8) + 19] ÷ [(3X/8) + 5] = 37/14
Or, (70X/8) + 266 = (111X/8) + 185
Or, 81 = 41X/8
Or, X = 648/41 ≈ 15.8 kg
So, X ≈ 15.8 kg

**Q47. Answer: (e) 150**

Side of equilateral triangular field = (24/3) = 8 m
Side of square field = 8 × (5/3) = 40/3 m
Area of triangular field = (√3/4) × $8^2$ = (1.732/4) × 64 = 27.712 sq.m
Area of square field = $(40/3)^2$ = 1600/9 = 177.778 sq.m
Required difference = 177.778 − 27.712 = 150.066 ≈ 150 sq.m

**Q48. Answer: (b) 600**

Let total number of students = 100x
Participated in all clubs = 10x
Participated in none = 10x
Remaining = 100x − 20x = 80x
Participated in only 1 club = 25% of 80x = 20x
Participated in 4 clubs = 20% of 80x = 16x
Remaining students (participated in 2 clubs) = 80x − (20x + 16x) = 44x
ATQ, 44x = 264
x = (264/44) = 6
Total number of students = 100 × 6 = 600

**Q49. Answer: (b) 3920**

Common solution:
Let the number of engineers in city A, B and C be 11x, 8x and 5x respectively.
Number of doctors in city A = 8x + 120

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Number of doctors in city B = 8x + 5x = 13x
Number of doctors in city C = 5x + M
Given,
Number of doctors in city B = 2600
13x = 2600
So, x = 200
So, Engineers in A = 2200
Engineers in B = 1600
Engineers in C = 1000
Number of doctors in A = 8 × 200 + 120 = 1720
Given, Doctors in A = 5(M − 60)
1720 = 5(M – 60)
344 = M – 60
M = 404
Therefore, Doctors in C = 1000 + 404 = 1404

| City | Doctors | Engineers |
|---|---|---|
| A | 1720 | 2200 |
| B | 2600 | 1600 |
| C | 1404 | 1000 |

Calculations:
Total doctors and engineers in city A = 1720 + 2200 = 3920

**Q50. Answer: (b) 13:11**

Common solution:
Let the number of engineers in city A, B and C be 11x, 8x and 5x respectively.
Number of doctors in city A = 8x + 120
Number of doctors in city B = 8x + 5x = 13x
Number of doctors in city C = 5x + M
Given,
Number of doctors in city B = 2600
13x = 2600
So, x = 200
So, Engineers in A = 2200
Engineers in B = 1600
Engineers in C = 1000
Number of doctors in A = 8 × 200 + 120 = 1720
Given, Doctors in A = 5(M − 60)
1720 = 5(M – 60)
344 = M – 60
M = 404
Therefore, Doctors in C = 1000 + 404 = 1404

| City | Doctors | Engineers |
|---|---|---|
| A | 1720 | 2200 |
| B | 2600 | 1600 |
| C | 1404 | 1000 |

Calculations:
Required ratio = 2600:2200 = 13:11

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**Q51. Answer: (b) 72%**

Common solution:

Let the number of engineers in city A, B and C be 11x, 8x and 5x respectively.

Number of doctors in city A = 8x + 120

Number of doctors in city B = 8x + 5x = 13x

Number of doctors in city C = 5x + M

Given,

Number of doctors in city B = 2600

13x = 2600

So, x = 200

So, Engineers in A = 2200

Engineers in B = 1600

Engineers in C = 1000

Number of doctors in A = 8 × 200 + 120 = 1720

Given, Doctors in A = 5(M − 60)

1720 = 5(M – 60)

344 = M – 60

M = 404

Therefore, Doctors in C = 1000 + 404 = 1404

| City | Doctors | Engineers |
|---|---|---|
| A | 1720 | 2200 |
| B | 2600 | 1600 |
| C | 1404 | 1000 |

Calculations:

Required percentage more = (1720 – 1000)/1000 x 100 = 72%

**Q52. Answer: (b) 2301**

Common solution:

Let the number of engineers in city A, B and C be 11x, 8x and 5x respectively.

Number of doctors in city A = 8x + 120

Number of doctors in city B = 8x + 5x = 13x

Number of doctors in city C = 5x + M

Given,

Number of doctors in city B = 2600

13x = 2600

So, x = 200

So, Engineers in A = 2200

Engineers in B = 1600

Engineers in C = 1000

Number of doctors in A = 8 × 200 + 120 = 1720

Given, Doctors in A = 5(M − 60)

1720 = 5(M – 60)

344 = M – 60

M = 404

Therefore, Doctors in C = 1000 + 404 = 1404

| City | Doctors | Engineers |
|---|---|---|
| A | 1720 | 2200 |
| B | 2600 | 1600 |
| C | 1404 | 1000 |

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Calculations:
Doctors in city S = 1404 x 125% = 1755
Engineers in city S = 1000 – (404 + 50) = 546
Total doctors and engineers in city S = 1755 + 546 = 2301

**Q53. Answer: (c) 2404**

Common solution:
Let the number of engineers in city A, B and C be 11x, 8x and 5x respectively.
Number of doctors in city A = 8x + 120
Number of doctors in city B = 8x + 5x = 13x
Number of doctors in city C = 5x + M
Given,
Number of doctors in city B = 2600
13x = 2600
So, x = 200
So, Engineers in A = 2200
Engineers in B = 1600
Engineers in C = 1000
Number of doctors in A = 8 × 200 + 120 = 1720
Given, Doctors in A = 5(M − 60)
1720 = 5(M – 60)
344 = M – 60
M = 404
Therefore, Doctors in C = 1000 + 404 = 1404

| City | Doctors | Engineers |
|---|---|---|
| A | 1720 | 2200 |
| B | 2600 | 1600 |
| C | 1404 | 1000 |

Calculations:
Doctors in city Q and R together = 2600 + 1404 = 4004
Required difference = 4004 – 1600 = 2404

**Q54. Answer: (c) Rs. 8,000**

Amount (A) = Rs. 10580
Rate = 15% p.a.
Time = 2 years
We know,
$A = P(1 + R/100)^2$
$10580 = P(115/100)^2$
10580 = P x 529/400
P = 20 x 400 = Rs. 8000

**Q55. Answer: (d) 58**

168 - 26 = 142
142 - 24 = 118
118 - 22 = 96
96 - 20 = 76
76 - 18 = 58
Hence, option D.

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**Q56. Answer: (a) 1750**

20 x 1 - 2 = 18

18 x 2 - 4 = 32

32 x 3 - 6 = 90

90 x 4 - 8 = 352

352 x 5 - 10 = 1750

Hence, option B.

**Q57. Answer: (b) 517.5**

145 x 0.5 - 0.5 = 72

72 x 1 - 1 = 71

71 x 1.5 - 1.5 = 105

105 x 2 - 2 = 208

208 x 2.5 - 2.5 = 517.5

Hence, option B.

**Q58. Answer: (c) 4**

Increase in total sum = (66 - 36) + (55 - 45) = 30 + 10 = 40

Increase in average = (40/10) = 4

**Q59. Answer: (e) None of these**

Let distance = D km, scheduled speed = V km/hr, scheduled time = T hours

$D = V \times T$

Case 1:

$D = (V + 15)(T - 3)$

$VT = VT - 3V + 15T - 45$

$15T - 3V = 45$

$5T - V = 15$ ------- (i)

Case 2:

$D = (V - 15)(T + 5)$

$VT = VT + 5V - 15T - 75$

$5V - 15T = 75$

$V - 3T = 15$

$V = 3T + 15$

Substitute in (i):

$5T - (3T + 15) = 15$

$2T = 30$

$T = 15$

$V = 3 \times 15 + 15 = 60$ km/hr

Distance = $V \times T = 60 \times 15 = 900$ km

**Q60. Answer: (c) 170**

From the given data:

Total A on Monday and Thursday = 360 + 600 = 960

Total C on Monday and Thursday = 300 + Y

ATQ,

$960 \div (300 + Y) = (8/5)$

$300 + Y = (960 \times 5) \div 8$

$300 + Y = 600$

$Y = 300$

Total B on Tuesday and Wednesday = $300 \times 2 = 600$

$(Y - X) + 360 = 600$

$300 - X + 360 = 600$

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660 − X = 600
X = 60
Using X = 60 and Y = 300:
Printer A on Tuesday = X + 40 = 60 + 40 = 100
Printer B on Tuesday = Y − X = 300 − 60 = 240
Printer C on Thursday = Y = 300
Printer A on Tuesday = 100
Printer B on Tuesday = 240
Average = (100 + 240) ÷ 2 = 170

**Q61. Answer: (b) 0**

From the given data:
Total A on Monday and Thursday = 360 + 600 = 960
Total C on Monday and Thursday = 300 + Y
ATQ,
960 ÷ (300 + Y) = (8/5)
300 + Y = (960 × 5) ÷ 8
300 + Y = 600
Y = 300
Total B on Tuesday and Wednesday = 300 × 2 = 600
(Y − X) + 360 = 600
300 − X + 360 = 600
660 − X = 600
X = 60
Using X = 60 and Y = 300:
Printer D on Wednesday = X + Y = 60 + 300 = 360
Printer C on Wednesday = 360
Required Difference = 360 − 360 = 0

**Q62. Answer: (c) 72000**

Ratio in 2017 = (7/10) :(5/6) ):(4/5) = 21:25:24
Let their salaries in 2017 be 21x, 25x, and 24x respectively.
In 2018: (21x + 7000) :(25x + 5000) :(24x + 8000) = 7:8:8
So, (21x + 7000) /(25x + 5000) = (7/8)
Or, 8 X (21x + 7000) = 7 X (25x + 5000)
Or, 168x + 56000 = 175x + 35000
Or, 7x = 21000
Or, x = 3000
Salary of Manish in 2017 = 24x = 24 × 3000 = 72000

**Q63. Answer: (c) 71(3/7)%**

From the given data:
Total A on Monday and Thursday = 360 + 600 = 960
Total C on Monday and Thursday = 300 + Y
ATQ,
960 ÷ (300 + Y) = (8/5)
300 + Y = (960 × 5) ÷ 8
300 + Y = 600
Y = 300
Total B on Tuesday and Wednesday = 300 × 2 = 600
(Y − X) + 360 = 600
300 − X + 360 = 600
660 − X = 600

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X = 60
Using X = 60 and Y = 300:
Printer A on Tuesday = X + 40 = 60 + 40 = 100
Printer B on Tuesday = Y − X = 300 − 60 = 240
Printer C on Thursday = Y = 300
Calculation:
From the given data:
Number of articles printed by Printer C on Monday = 300
Number of articles printed by Printer A on Wednesday = 420
Required percent = (300/420) x 100 = 71.43%

**Q64. Answer: (d) 7:5**

From the given data:
Total A on Monday and Thursday = 360 + 600 = 960
Total C on Monday and Thursday = 300 + Y
ATQ,
960 ÷ (300 + Y) = (8/5)
300 + Y = (960 × 5) ÷ 8
300 + Y = 600
Y = 300
Using Y = 300:
Printer B on Thursday = 420
Printer C on Thursday = 300
Required ratio = 420: 300 = 7: 5

**Q65. Answer: (b) 520**

From the given data:
Number of articles printed by Printer A on Thursday = 600
Sum of the number of articles printed by Printer A on Thursday and Friday together = 1120
ATQ,
Thursday + Friday = 1120
600 + Friday = 1120
Friday = 1120 − 600
Friday = 520

**Q66. Answer: (e) The data in both statements I and II together is necessary to answer the question.**

From I:
Initial Milk = 7y, Initial Water = 5y
Final Milk = 7y + x, Final Water = 5y + 2x
(5y + 2x) – (7y + x) = 12
So, x – 2y = 12
Values cannot be determined from I alone.
From II:
Initial Milk - Initial Water = 8
7y – 5y = 8
2y = 8
So, y = 4
Value of x cannot be determined from II alone.
On combining statements I and II:
x – 2(4) = 12
so, x = 20
Final Milk = 7 x 4 + 20 = 48
Final Water = 5 x 4 + 2 x 20 = 60

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Required ratio = 48:60 = 4:5
Hence, option E.

**Q67. Answer: (e) The data in both statements I and II together is necessary to answer the question.**

From I:
Speed while floating = Speed of stream (S)
Speed downstream = D
(80/S) = 6 x (40/D)
Or, (80/S) = (240/D)
Or, D = 3S
Or, V + S = 3S
Or, V = 2S
Upstream speed U = V - S = S
From II:
D = (240/3) = 80 km/h
On combining I and II:
3S = 80
Or, S = 80/3 km/h
So, U = 80/3 km/h
So, required distance = (80/3) x 3 = 80 km
Hence, option e.

**Q68. Answer: (a) 3(2/5) hours**

Let total capacity of tank = LCM (6, 9, 18) = 18 units.
Efficiency of A = 3 units/hr
Efficiency of B = 2 units/hr
Efficiency of C = 1 unit/hr
Total efficiency = 3 + 2 + 1 = 6 units/hr
1/3^(rd) of the tank = 18 x 1/3 = 6 units
Time taken to fill 6 units by A, B and C = 6/6 = 1 hr
Remaining tank = 18 – 6 = 12 units
Time taken by A and B to fill remaining tank = 12 ÷ (3 + 2) = 12/5 = 2(2/5) hours
Total time taken = 1 + 2(2/5) = 3(2/5) hour

**Q69. Answer: (a) Rs. 3000**

Let cost price be Rs. x
Selling price at 8% loss = 0.92x
Selling price at 4% profit = 1.04x
ATQ,
1.04x – 0.92x = 360
0.12x = 360
So, x = 360/0.12 = 3000

**Q70. Answer: (e) Rs. 51,000**

Profit share ratio of Ramesh to Mohit = (12000 × 18) : (16000 × 12)
= (12 × 18) : (16 × 12) = 18 : 16 = 9 : 8
Let the profits of Ramesh and Mohit be 9x and 8x, respectively.
So, 9x − 8x = 3000
Or, x = 3000
Total profit = 9x + 8x = 17x
So, required total profit = 17 × 3000 = Rs. 51,000

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**Q71. Answer: (c) S**

Given: Eight persons — S, T, U, V, W, X, Y and Z — are sitting in a linear row facing either North or South, but not necessarily in the same order. Not more than two persons sitting together face the same direction.

1. Three persons sit between Y and S.
2. Z sits second to the right of S and doesn't sit at any of the extreme ends of the row.
3. More than one person sit between Z and Y.

Here, there are two cases, i.e. Case 1 and case 2.

4. X sits fourth to the left of Z.
5. Two persons sit between X and V.
6. W sits second to the right of V.
7. U sits fourth to the right of W.
8. Both the immediate neighbours of X face the same direction.
9. T and Y face the same direction.
10. U and Y face opposite direction to each other.
11. T doesn't face north.

Case 1 gets eliminated because G faces in north direction. So, the final arrangement:

S sits third to the right of U.

Hence, the correct answer is 'S'.

**Q72. Answer: (d) Third to the left**

Given: Eight persons — S, T, U, V, W, X, Y and Z — are sitting in a linear row facing either North or South, but not necessarily in the same order. Not more than two persons sitting together face the same direction.

1. Three persons sit between Y and S.
2. Z sits second to the right of S and doesn't sit at any of the extreme ends of the row.
3. More than one person sit between Z and Y.

Here, there are two cases, i.e. Case 1 and case 2.

4. X sits fourth to the left of Z.
5. Two persons sit between X and V.
6. W sits second to the right of V.
7. U sits fourth to the right of W.
8. Both the immediate neighbours of X face the same direction.
9. T and Y face the same direction.
10. U and Y face opposite direction to each other.
11. T doesn't face north.

Case 1 gets eliminated because G faces in north direction. So, the final arrangement:

V is third to the left of X.

Hence, the correct answer is 'Third to the left'.

**Q73. Answer: (c) Both I and III**

Given: Eight persons — S, T, U, V, W, X, Y and Z — are sitting in a linear row facing either North or South, but not necessarily in the same order. Not more than two persons sitting together face the same direction.

1. Three persons sit between Y and S.
2. Z sits second to the right of S and doesn't sit at any of the extreme ends of the row.
3. More than one person sit between Z and Y.

Here, there are two cases, i.e. Case 1 and case 2.

4. X sits fourth to the left of Z.
5. Two persons sit between X and V.
6. W sits second to the right of V.
7. U sits fourth to the right of W.
8. Both the immediate neighbours of X face the same direction.
9. T and Y face the same direction.
10. U and Y face opposite direction to each other.
11. T doesn't face north.

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Case 1 gets eliminated because G faces in north direction. So, the final arrangement:

I. T sits to the left of S - True

II. Z faces North - False

III. U sits at the extreme end of the row - True

Hence, the correct answer is ‘Both I and III’.

**Q74. Answer: (b) Three**

Given: Eight persons — S, T, U, V, W, X, Y and Z — are sitting in a linear row facing either North or South, but not necessarily in the same order. Not more than two persons sitting together face the same direction.

1. Three persons sit between Y and S.

2. Z sits second to the right of S and doesn’t sit at any of the extreme ends of the row.

3. More than one person sit between Z and Y.

Here, there are two cases, i.e. Case 1 and case 2.

4. X sits fourth to the left of Z.

5. Two persons sit between X and V.

6. W sits second to the right of V.

7. U sits fourth to the right of W.

8. Both the immediate neighbours of X face the same direction.

9. T and Y face the same direction.

10. U and Y face opposite direction to each other.

11. T doesn’t face north.

Case 1 gets eliminated because G faces in north direction. So, the final arrangement:

Three persons face north.

Hence, the correct answer is ‘Three’.

**Q75. Answer: (d) As many persons sit between Z and X.**

Given: Eight persons — S, T, U, V, W, X, Y and Z — are sitting in a linear row facing either North or South, but not necessarily in the same order. Not more than two persons sitting together face the same direction.

1. Three persons sit between Y and S.

2. Z sits second to the right of S and doesn’t sit at any of the extreme ends of the row.

3. More than one person sit between Z and Y.

Here, there are two cases, i.e. Case 1 and case 2.

4. X sits fourth to the left of Z.

5. Two persons sit between X and V.

6. W sits second to the right of V.

7. U sits fourth to the right of W.

8. Both the immediate neighbours of X face the same direction.

9. T and Y face the same direction.

10. U and Y face opposite direction to each other.

11. T doesn’t face north.

Case 1 gets eliminated because G faces in north direction. So, the final arrangement:

As many persons sit between Z and X sit between T and V.

Hence, the correct answer is ‘As many persons sit between Z and X’.

**Q76. Answer: (a) A - Blue colour**

Given: Seven boxes- A, B, C, D, E, F and G have different colours i.e., Green, Pink, Black, Yellow, Red, Brown and Blue and all of them are kept one above the other. All the information is not necessarily in the same order.

1. At most two boxes are kept above the box B.

2. The box which has Black colour is kept just above the box B.

3. As many boxes are kept above the box which has Black colour as below box F.

4. Three boxes are kept between box F and box D.

Here, there are two cases, i.e. Case 1 and case 2.

| Number | Case 1 | | Case 2 | |
|---|---|---|---|---|

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| | Boxes | Colours | Boxes | Colours |
|---|---|---|---|---|
| 7 | | | | Black |
| 6 | D | Black | B | |
| 5 | B | | D | |
| 4 | | | | |
| 3 | | | | |
| 2 | F | | | |
| 1 | | | F | |

5. The box which has Brown colour is kept two boxes below box D.

6. The box which has Yellow colour is kept just below the box which has Red colour and just above the box which has Green colour.

| **Number** | **Case 1** | | **Case 2** | |
|---|---|---|---|---|
| | Boxes | Colours | Boxes | Colours |
| 7 | | | | Black |
| 6 | D | Black | B | Red |
| 5 | B | | D | Yellow |
| 4 | | Brown | | Green |
| 3 | | Red | | Brown |
| 2 | F | Yellow | | |
| 1 | | Green | F | |

7. Two boxes are kept between the box which has Brown colour and box G which is not kept at the topmost position.

8. Box E is kept just below the box which has Pink colour.

9. Box C is kept below box A.

Case 2 gets eliminated because two boxes are kept between the box which has a Brown colour and box G which is not kept at the topmost position, which is not satisfied. So, the final arrangement:

| **Number** | **Boxes** | **Colours** |
|---|---|---|
| 7 | A | Blue |
| 6 | D | Black |
| 5 | B | Pink |
| 4 | E | Brown |
| 3 | C | Red |
| 2 | F | Yellow |
| 1 | G | Green |

Except A-Blue colour, all the combinations are not correctly matched

Hence, the correct answer is ‘A-Blue colour’.

**Q77. Answer: (d) Both II and III**

Given: Seven boxes- A, B, C, D, E, F and G have different colours i.e., Green, Pink, Black, Yellow, Red, Brown and Blue and all of them are kept one above the other. All the information is not necessarily in the same order.

1. At most two boxes are kept above the box B.

2. The box which has Black colour is kept just above the box B.

3. As many boxes are kept above the box which has Black colour as below box F.

4. Three boxes are kept between box F and box D.

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Here, there are two cases, i.e. Case 1 and case 2.

| Number | Case 1 | | Case 2 | |
|---|---|---|---|---|
| | Boxes | Colours | Boxes | Colours |
| 7 | | | | Black |
| 6 | D | Black | B | |
| 5 | B | | D | |
| 4 | | | | |
| 3 | | | | |
| 2 | F | | | |
| 1 | | | F | |

5. The box which has Brown colour is kept two boxes below box D.

6. The box which has Yellow colour is kept just below the box which has Red colour and just above the box which has Green colour.

| Number | Case 1 | | Case 2 | |
|---|---|---|---|---|
| | Boxes | Colours | Boxes | Colours |
| 7 | | | | Black |
| 6 | D | Black | B | Red |
| 5 | B | | D | Yellow |
| 4 | | Brown | | Green |
| 3 | | Red | | Brown |
| 2 | F | Yellow | | |
| 1 | | Green | F | |

7. Two boxes are kept between the box which has Brown colour and box G which is not kept at the topmost position.

8. Box E is kept just below the box which has Pink colour.

9. Box C is kept below box A.

Case 2 gets eliminated because two boxes are kept between the box which has a Brown colour and box G which is not kept at the topmost position, which is not satisfied. So, the final arrangement:

| Number | Boxes | Colours |
|---|---|---|
| 7 | A | Blue |
| 6 | D | Black |
| 5 | B | Pink |
| 4 | E | Brown |
| 3 | C | Red |
| 2 | F | Yellow |
| 1 | G | Green |

I). Box C doesn't kept above box G - False

II). Box A is kept at the topmost position - True

III). More than three boxes are kept below the box which has Pink colour - True

Hence, the correct answer is 'Both II and III'.

**Q78. Answer: (e) The box which has Red colour**

Given: Seven boxes- A, B, C, D, E, F and G have different colours i.e., Green, Pink, Black, Yellow, Red, Brown and Blue and all of them are kept one above the other. All the information is not necessarily in the same order.

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1. At most two boxes are kept above the box B.
2. The box which has Black colour is kept just above the box B.
3. As many boxes are kept above the box which has Black colour as below box F.
4. Three boxes are kept between box F and box D.

Here, there are two cases, i.e. Case 1 and case 2.

| Number | Case 1 | | Case 2 | |
|---|---|---|---|---|
| | Boxes | Colours | Boxes | Colours |
| 7 | | | | Black |
| 6 | D | Black | B | |
| 5 | B | | D | |
| 4 | | | | |
| 3 | | | | |
| 2 | F | | | |
| 1 | | | F | |

5. The box which has Brown colour is kept two boxes below box D.
6. The box which has Yellow colour is kept just below the box which has Red colour and just above the box which has Green colour.

| Number | Case 1 | | Case 2 | |
|---|---|---|---|---|
| | Boxes | Colours | Boxes | Colours |
| 7 | | | | Black |
| 6 | D | Black | B | Red |
| 5 | B | | D | Yellow |
| 4 | | Brown | | Green |
| 3 | | Red | | Brown |
| 2 | F | Yellow | | |
| 1 | | Green | F | |

7. Two boxes are kept between the box which has Brown colour and box G which is not kept at the topmost position.
8. Box E is kept just below the box which has Pink colour.
9. Box C is kept below box A.

Case 2 gets eliminated because two boxes are kept between the box which has a Brown colour and box G which is not kept at the topmost position, which is not satisfied. So, the final arrangement:

| Number | Boxes | Colours |
|---|---|---|
| 7 | A | Blue |
| 6 | D | Black |
| 5 | B | Pink |
| 4 | E | Brown |
| 3 | C | Red |
| 2 | F | Yellow |
| 1 | G | Green |

The box which has Red colour is kept at fifth position from the top.

Hence, the correct answer is ‘The box which has Red colour’.

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**Q79. Answer: (b) E**

Given: Seven boxes- A, B, C, D, E, F and G have different colours i.e., Green, Pink, Black, Yellow, Red, Brown and Blue and all of them are kept one above the other. All the information is not necessarily in the same order.

1. At most two boxes are kept above the box B.
2. The box which has Black colour is kept just above the box B.
3. As many boxes are kept above the box which has Black colour as below box F.
4. Three boxes are kept between box F and box D.

Here, there are two cases, i.e. Case 1 and case 2.

| Number | Case 1 | | Case 2 | |
|---|---|---|---|---|
| | Boxes | Colours | Boxes | Colours |
| 7 | | | | Black |
| 6 | D | Black | B | |
| 5 | B | | D | |
| 4 | | | | |
| 3 | | | | |
| 2 | F | | | |
| 1 | | | F | |

5. The box which has Brown colour is kept two boxes below box D.
6. The box which has Yellow colour is kept just below the box which has Red colour and just above the box which has Green colour.

| Number | Case 1 | | Case 2 | |
|---|---|---|---|---|
| | Boxes | Colours | Boxes | Colours |
| 7 | | | | Black |
| 6 | D | Black | B | Red |
| 5 | B | | D | Yellow |
| 4 | | Brown | | Green |
| 3 | | Red | | Brown |
| 2 | F | Yellow | | |
| 1 | | Green | F | |

7. Two boxes are kept between the box which has Brown colour and box G which is not kept at the topmost position.
8. Box E is kept just below the box which has Pink colour.
9. Box C is kept below box A.

Case 2 gets eliminated because two boxes are kept between the box which has a Brown colour and box G which is not kept at the topmost position, which is not satisfied. So, the final arrangement:

| Number | Boxes | Colours |
|---|---|---|
| 7 | A | Blue |
| 6 | D | Black |
| 5 | B | Pink |
| 4 | E | Brown |
| 3 | C | Red |
| 2 | F | Yellow |
| 1 | G | Green |

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Box E has Brown colour.

Hence, the correct answer is ‘Box E’.

**Q80. Answer: (c) Two**

Given: Seven boxes- A, B, C, D, E, F and G have different colours i.e., Green, Pink, Black, Yellow, Red, Brown and Blue and all of them are kept one above the other. All the information is not necessarily in the same order.

1. At most two boxes are kept above the box B.
2. The box which has Black colour is kept just above the box B.
3. As many boxes are kept above the box which has Black colour as below box F.
4. Three boxes are kept between box F and box D.

Here, there are two cases, i.e. Case 1 and case 2.

| Number | Case 1 | | Case 2 | |
|---|---|---|---|---|
| | Boxes | Colours | Boxes | Colours |
| 7 | | | | Black |
| 6 | D | Black | B | |
| 5 | B | | D | |
| 4 | | | | |
| 3 | | | | |
| 2 | F | | | |
| 1 | | | F | |

5. The box which has Brown colour is kept two boxes below box D.
6. The box which has Yellow colour is kept just below the box which has Red colour and just above the box which has Green colour.

| Number | Case 1 | | Case 2 | |
|---|---|---|---|---|
| | Boxes | Colours | Boxes | Colours |
| 7 | | | | Black |
| 6 | D | Black | B | Red |
| 5 | B | | D | Yellow |
| 4 | | Brown | | Green |
| 3 | | Red | | Brown |
| 2 | F | Yellow | | |
| 1 | | Green | F | |

7. Two boxes are kept between the box which has Brown colour and box G which is not kept at the topmost position.
8. Box E is kept just below the box which has Pink colour.
9. Box C is kept below box A.

Case 2 gets eliminated because two boxes are kept between the box which has a Brown colour and box G which is not kept at the topmost position, which is not satisfied. So, the final arrangement:

| Number | Boxes | Colours |
|---|---|---|
| 7 | A | Blue |
| 6 | D | Black |
| 5 | B | Pink |
| 4 | E | Brown |
| 3 | C | Red |

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| | | |
|---|---|---|
| 2 | F | Yellow |
| 1 | G | Green |

Two boxes are kept between box D and box C.

Hence, the correct answer is ‘Two’.

**Q81. Answer: (e) More than four**

Pairs:- (01), (45),(46),(56), and (69)

Hence, five pairs are there in the number ‘8571065491’, each of which has as many digits between them in the number as are there in the general numerical order

**Q82. Answer: (c) Chief Manager**

Given: Nine persons – R, S, T, U, V, W, X, Y and Z are designated at nine different designations – Chief General Manager (CGM), General Manager (GM), Assistant General Manager (AGM), Chief Manager (CM), Senior Manager (SM), Manager, Assistant Manager (AM), Probationary Officer (PO) and Clerk, but not necessarily in the same order.

The order of the designations is in decreasing order of seniority such that CGM is the seniormost designation and Clerk is the junior-most.

1. W is designated four persons senior to R.

2. S is designated two persons junior to R.

3. Y is designated immediately senior to W.

Here, there are two cases, i.e. Case 1 and case 2.

| Designations | Person (Case 1) | Person (Case 2) |
|---|---|---|
| CGM | Y | |
| GM | W | Y |
| AGM | | W |
| CM | | |
| SM | | |
| Manager | R | |
| AM | | R |
| PO | S | |
| Clerk | | S |

4. Three persons are designated between Y and X.

5. Z is designated junior to AM.

| Designations | Person (Case 1) | Person (Case 2) |
|---|---|---|
| CGM | Y | |
| GM | W | Y |
| AGM | | W |
| CM | | |
| SM | X | |
| Manager | R | X |
| AM | | R |
| PO | S | Z |
| Clerk | Z | S |

6. More than four persons are designated between Z and T.

7. V is designated junior to U but not immediately junior.

Case 2 gets eliminated because there is no place for V and U. So, the final arrangement:

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| Designations | Person (Case 1) |
|---|---|
| CGM | Y |
| GM | W |
| AGM | T |
| CM | U |
| SM | X |
| Manager | R |
| AM | V |
| PO | S |
| Clerk | Z |

R is related to Chief Manager, The first person given is two persons junior to the designation given.

Hence, the correct answer is 'Chief Manager'.

**Q83. Answer: (b) R**

Given: Nine persons – R, S, T, U, V, W, X, Y and Z are designated at nine different designations – Chief General Manager (CGM), General Manager (GM), Assistant General Manager (AGM), Chief Manager (CM), Senior Manager (SM), Manager, Assistant Manager (AM), Probationary Officer (PO) and Clerk, but not necessarily in the same order.

The order of the designations is in decreasing order of seniority such that CGM is the seniormost designation and Clerk is the junior-most.

1. W is designated four persons senior to R.
2. S is designated two persons junior to R.
3. Y is designated immediately senior to W.

Here, there are two cases, i.e. Case 1 and case 2.

| Designations | Person (Case 1) | Person (Case 2) |
|---|---|---|
| CGM | Y | |
| GM | W | Y |
| AGM | | W |
| CM | | |
| SM | | |
| Manager | R | |
| AM | | R |
| PO | S | |
| Clerk | | S |

4. Three persons are designated between Y and X.
5. Z is designated junior to AM.

| Designations | Person (Case 1) | Person (Case 2) |
|---|---|---|
| CGM | Y | |
| GM | W | Y |
| AGM | | W |
| CM | | |
| SM | X | |
| Manager | R | X |

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| | | |
|---|---|---|
| AM | | R |
| PO | S | Z |
| Clerk | Z | S |

6. More than four persons are designated between Z and T.

7. V is designated junior to U but not immediately junior.

Case 2 gets eliminated because there is no place for V and U. So, the final arrangement:

| Designations | Person (Case 1) |
|---|---|
| CGM | Y |
| GM | W |
| AGM | T |
| CM | U |
| SM | X |
| Manager | R |
| AM | V |
| PO | S |
| Clerk | Z |

The number of persons designated senior to U is the same as the number of persons designated junior to R.

Hence, the correct answer is 'R'.

**Q84. Answer: (e) Probationary Officer**

Given: Nine persons – R, S, T, U, V, W, X, Y and Z are designated at nine different designations – Chief General Manager (CGM), General Manager (GM), Assistant General Manager (AGM), Chief Manager (CM), Senior Manager (SM), Manager, Assistant Manager (AM), Probationary Officer (PO) and Clerk, but not necessarily in the same order.

The order of the designations is in decreasing order of seniority such that CGM is the seniormost designation and Clerk is the junior-most.

1. W is designated four persons senior to R.

2. S is designated two persons junior to R.

3. Y is designated immediately senior to W.

Here, there are two cases, i.e. Case 1 and case 2.

| Designations | Person (Case 1) | Person (Case 2) |
|---|---|---|
| CGM | Y | |
| GM | W | Y |
| AGM | | W |
| CM | | |
| SM | | |
| Manager | R | |
| AM | | R |
| PO | S | |
| Clerk | | S |

4. Three persons are designated between Y and X.

5. Z is designated junior to AM.

| Designations | Person (Case 1) | Person (Case 2) |
|---|---|---|
| CGM | Y | |

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| | | |
|---|---|---|
| GM | W | Y |
| AGM | | W |
| CM | | |
| SM | X | |
| Manager | R | X |
| AM | | R |
| PO | S | Z |
| Clerk | Z | S |

6. More than four persons are designated between Z and T.

7. V is designated junior to U but not immediately junior.

Case 2 gets eliminated because there is no place for V and U. So, the final arrangement:

| Designations | Person (Case 1) |
|---|---|
| CGM | Y |
| GM | W |
| AGM | T |
| CM | U |
| SM | X |
| Manager | R |
| AM | V |
| PO | S |
| Clerk | Z |

S is designated as Probationary Officer.

Hence, the correct answer is ‘Probationary Officer’.

**Q85. Answer: (d) Four**

Given: Nine persons – R, S, T, U, V, W, X, Y and Z are designated at nine different designations – Chief General Manager (CGM), General Manager (GM), Assistant General Manager (AGM), Chief Manager (CM), Senior Manager (SM), Manager, Assistant Manager (AM), Probationary Officer (PO) and Clerk, but not necessarily in the same order.

The order of the designations is in decreasing order of seniority such that CGM is the seniormost designation and Clerk is the junior-most.

1. W is designated four persons senior to R.

2. S is designated two persons junior to R.

3. Y is designated immediately senior to W.

Here, there are two cases, i.e. Case 1 and case 2.

| Designations | Person (Case 1) | Person (Case 2) |
|---|---|---|
| CGM | Y | |
| GM | W | Y |
| AGM | | W |
| CM | | |
| SM | | |
| Manager | R | |
| AM | | R |
| PO | S | |

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| | | |
|---|---|---|
| Clerk | | S |

4. Three persons are designated between Y and X.

5. Z is designated junior to AM.

| Designations | Person (Case 1) | Person (Case 2) |
|---|---|---|
| CGM | Y | |
| GM | W | Y |
| AGM | | W |
| CM | | |
| SM | X | |
| Manager | R | X |
| AM | | R |
| PO | S | Z |
| Clerk | Z | S |

6. More than four persons are designated between Z and T.

7. V is designated junior to U but not immediately junior.

Case 2 gets eliminated because there is no place for V and U. So, the final arrangement:

| Designations | Person (Case 1) |
|---|---|
| CGM | Y |
| GM | W |
| AGM | T |
| CM | U |
| SM | X |
| Manager | R |
| AM | V |
| PO | S |
| Clerk | Z |

Four persons are designated between T and the one who is designated immediately senior to Z.

Hence, the correct answer is ‘Four’.

**Q86. Answer: (d) The one who is immediately junior to W.**

Given: Nine persons – R, S, T, U, V, W, X, Y and Z are designated at nine different designations – Chief General Manager (CGM), General Manager (GM), Assistant General Manager (AGM), Chief Manager (CM), Senior Manager (SM), Manager, Assistant Manager (AM), Probationary Officer (PO) and Clerk, but not necessarily in the same order.

The order of the designations is in decreasing order of seniority such that CGM is the seniormost designation and Clerk is the junior-most.

1. W is designated four persons senior to R.

2. S is designated two persons junior to R.

3. Y is designated immediately senior to W.

Here, there are two cases, i.e. Case 1 and case 2.

| Designations | Person (Case 1) | Person (Case 2) |
|---|---|---|
| CGM | Y | |
| GM | W | Y |
| AGM | | W |

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| | | |
|---|---|---|
| CM | | |
| SM | | |
| Manager | R | |
| AM | | R |
| PO | S | |
| Clerk | | S |

4. Three persons are designated between Y and X.

5. Z is designated junior to AM.

| Designations | Person (Case 1) | Person (Case 2) |
|---|---|---|
| CGM | Y | |
| GM | W | Y |
| AGM | | W |
| CM | | |
| SM | X | |
| Manager | R | X |
| AM | | R |
| PO | S | Z |
| Clerk | Z | S |

6. More than four persons are designated between Z and T.

7. V is designated junior to U but not immediately junior.

Case 2 gets eliminated because there is no place for V and U. So, the final arrangement:

| Designations | Person (Case 1) |
|---|---|
| CGM | Y |
| GM | W |
| AGM | T |
| CM | U |
| SM | X |
| Manager | R |
| AM | V |
| PO | S |
| Clerk | Z |

The one who is immediately junior to W is designated as Assistant General Manager (AGM).

Hence, the correct answer is ‘The one who is immediately junior to W’.

**Q87. Answer: (d) M**

The second, fifth, sixth and tenth letters of the word GENERATION are E, R, A, N respectively.

The words formed will be EARN and NEAR.

Hence, two such words are formed so M will be the answer.

**Q88. Answer: (e) R**

Given: Ten persons – Q, R, S, T, U, V, W, X, Y, and Z – live in a five-storey building. The ground floor is numbered 1, the floor above it is numbered 2, and so on up to the topmost floor numbered 5. Each floor has two flats, namely Flat-1 and Flat-2.

Flat-1 is to the west of Flat-2. Flat-1 of any floor is immediately above Flat-1 of the floor below it and immediately below Flat-1 of

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the floor above it. The same applies to Flat-2.

1. T lives three floors above Y in a different named flat.
2. The one who lives to the east of T lives two floors above S.
3. X lives just to the north-east of S.

Here, there are two cases, i.e. Cases 1 and 2.

| Floors | Case 1 | | Case 2 | |
|---|---|---|---|---|
| | Flat - A | Flat - B | Flat - A | Flat - B |
| 5 | | | T | |
| 4 | T | | | X |
| 3 | | X | S | |
| 2 | S | | | Y |
| 1 | | Y | | |

4. One floor is between the floors of X and Q.
5. Q and T live in the same flat.
6. W lives immediately below Q.
7. V lives three floors above W in the same named flat.

Case 1 gets eliminated because there is no place for V.

| Floors | Flat - A | Flat - B |
|---|---|---|
| 5 | T | |
| 4 | V | X |
| 3 | S | |
| 2 | Q | Y |
| 1 | W | |

8. Z lives above U, who doesn't live in the bottom-most floor. Hence, the final arrangement:

| Floors | Flat - A | Flat - B |
|---|---|---|
| 5 | T | Z |
| 4 | V | X |
| 3 | S | U |
| 2 | Q | Y |
| 1 | W | R |

Q is related to R. The logic here is that the flat of the first person is to the north-west of the flat of the second person.

Hence, the correct answer is 'R'.

**Q89. Answer: (c) Two**

Given: Ten persons – Q, R, S, T, U, V, W, X, Y, and Z – live in a five-storey building. The ground floor is numbered 1, the floor above it is numbered 2, and so on up to the topmost floor numbered 5. Each floor has two flats, namely Flat-1 and Flat-2.

Flat-1 is to the west of Flat-2. Flat-1 of any floor is immediately above Flat-1 of the floor below it and immediately below Flat-1 of the floor above it. The same applies to Flat-2.

1. T lives three floors above Y in a different named flat.
2. The one who lives to the east of T lives two floors above S.
3. X lives just to the north-east of S.

Here, there are two cases, i.e. Cases 1 and 2.

| Floors | Case 1 | | Case 2 | |
|---|---|---|---|---|
| | Flat - A | Flat - B | Flat - A | Flat - B |

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| | | | | |
|---|---|---|---|---|
| 5 | | | T | |
| 4 | T | | | X |
| 3 | | X | S | |
| 2 | S | | | Y |
| 1 | | Y | | |

4. One floor is between the floors of X and Q.

5. Q and T live in the same flat.

6. W lives immediately below Q.

7. V lives three floors above W in the same named flat.

Case 1 gets eliminated because there is no place for V.

| Floors | Flat - A | Flat - B |
|---|---|---|
| 5 | T | |
| 4 | V | X |
| 3 | S | |
| 2 | Q | Y |
| 1 | W | |

8. Z lives above U, who doesn't live in the bottom-most floor. Hence, the final arrangement:

| Floors | Flat - A | Flat - B |
|---|---|---|
| 5 | T | Z |
| 4 | V | X |
| 3 | S | U |
| 2 | Q | Y |
| 1 | W | R |

Two persons live between Z and Y in the same numbered flat.

Hence, the correct answer is 'Two'.

**Q90. Answer: (d) Flat 2, Floor 1**

Given: Ten persons – Q, R, S, T, U, V, W, X, Y, and Z – live in a five-storey building. The ground floor is numbered 1, the floor above it is numbered 2, and so on up to the topmost floor numbered 5. Each floor has two flats, namely Flat-1 and Flat-2.

Flat-1 is to the west of Flat-2. Flat-1 of any floor is immediately above Flat-1 of the floor below it and immediately below Flat-1 of the floor above it. The same applies to Flat-2.

1. T lives three floors above Y in a different named flat.

2. The one who lives to the east of T lives two floors above S.

3. X lives just to the north-east of S.

Here, there are two cases, i.e. Cases 1 and 2.

| Floors | Case 1 | | Case 2 | |
|---|---|---|---|---|
| | Flat - A | Flat - B | Flat - A | Flat - B |
| 5 | | | T | |
| 4 | T | | | X |
| 3 | | X | S | |
| 2 | S | | | Y |
| 1 | | Y | | |

4. One floor is between the floors of X and Q.

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5. Q and T live in the same flat.

6. W lives immediately below Q.

7. V lives three floors above W in the same named flat.

Case 1 gets eliminated because there is no place for V.

| Floors | Flat - A | Flat - B |
|---|---|---|
| 5 | T | |
| 4 | V | X |
| 3 | S | |
| 2 | Q | Y |
| 1 | W | |

8. Z lives above U, who doesn't live in the bottom-most floor. Hence, the final arrangement:

| Floors | Flat - A | Flat - B |
|---|---|---|
| 5 | T | Z |
| 4 | V | X |
| 3 | S | U |
| 2 | Q | Y |
| 1 | W | R |

R lives in Flat 2, Floor 1

Hence, the correct answer is 'Flat 2, Floor 1'.

**Q91. Answer: (e) V and X**

Given: Ten persons – Q, R, S, T, U, V, W, X, Y, and Z – live in a five-storey building. The ground floor is numbered 1, the floor above it is numbered 2, and so on up to the topmost floor numbered 5. Each floor has two flats, namely Flat-1 and Flat-2.

Flat-1 is to the west of Flat-2. Flat-1 of any floor is immediately above Flat-1 of the floor below it and immediately below Flat-1 of the floor above it. The same applies to Flat-2.

1. T lives three floors above Y in a different named flat.

2. The one who lives to the east of T lives two floors above S.

3. X lives just to the north-east of S.

Here, there are two cases, i.e. Cases 1 and 2.

| Floors | Case 1 | | Case 2 | |
|---|---|---|---|---|
| | Flat - A | Flat - B | Flat - A | Flat - B |
| 5 | | | T | |
| 4 | T | | | X |
| 3 | | X | S | |
| 2 | S | | | Y |
| 1 | | Y | | |

4. One floor is between the floors of X and Q.

5. Q and T live in the same flat.

6. W lives immediately below Q.

7. V lives three floors above W in the same named flat.

Case 1 gets eliminated because there is no place for V.

| Floors | Flat - A | Flat - B |
|---|---|---|
| 5 | T | |
| 4 | V | X |

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| | | |
|---|---|---|
| 3 | S | |
| 2 | Q | Y |
| 1 | W | |

8. Z lives above U, who doesn't live in the bottom-most floor. Hence, the final arrangement:

| Floors | Flat - A | Flat - B |
|---|---|---|
| 5 | T | Z |
| 4 | V | X |
| 3 | S | U |
| 2 | Q | Y |
| 1 | W | R |

V and X lives on the same floor.

Hence, the correct answer is 'V and X'.

**Q92. Answer: (d) X**

Given: Ten persons – Q, R, S, T, U, V, W, X, Y, and Z – live in a five-storey building. The ground floor is numbered 1, the floor above it is numbered 2, and so on up to the topmost floor numbered 5. Each floor has two flats, namely Flat-1 and Flat-2.

Flat-1 is to the west of Flat-2. Flat-1 of any floor is immediately above Flat-1 of the floor below it and immediately below Flat-1 of the floor above it. The same applies to Flat-2.

1. T lives three floors above Y in a different named flat.
2. The one who lives to the east of T lives two floors above S.
3. X lives just to the north-east of S.

Here, there are two cases, i.e. Cases 1 and 2.

| Floors | Case 1 | | Case 2 | |
|---|---|---|---|---|
| | Flat - A | Flat - B | Flat - A | Flat - B |
| 5 | | | T | |
| 4 | T | | | X |
| 3 | | X | S | |
| 2 | S | | | Y |
| 1 | | Y | | |

4. One floor is between the floors of X and Q.
5. Q and T live in the same flat.
6. W lives immediately below Q.
7. V lives three floors above W in the same named flat.

Case 1 gets eliminated because there is no place for V.

| Floors | Flat - A | Flat - B |
|---|---|---|
| 5 | T | |
| 4 | V | X |
| 3 | S | |
| 2 | Q | Y |
| 1 | W | |

8. Z lives above U, who doesn't live in the bottom-most floor. Hence, the final arrangement:

| Floors | Flat - A | Flat - B |
|---|---|---|
| 5 | T | Z |

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| | | |
|---|---|---|
| 4 | V | X |
| 3 | S | U |
| 2 | Q | Y |
| 1 | W | R |

X lives immediately below Z in the same numbered flat.

Hence, the correct answer is ‘X’.

**Q93. Answer: (c) Brother-in-law**

According to the given information,

1) R is the paternal uncle of T who is the daughter of S.

(Implies, R is the brother of T’s father.)

2) Q is the father-in-law of S who is the mother of W.

3) W is the brother of T.

(Implies, S is the mother of T and W.)

4) U is the paternal grandmother of V who is the only son of X.

5) X is married to R.

(Implies, P is the husband of S. Also, R is the father of V.)

Clearly, R is the brother-in-law of S.

**Q94. Answer: (d) Grandson**

According to the given information,

1) R is the paternal uncle of T who is the daughter of S.

(Implies, R is the brother of T’s father.)

2) Q is the father-in-law of S who is the mother of W.

3) W is the brother of T.

(Implies, S is the mother of T and W.)

4) U is the paternal grandmother of V who is the only son of X.

5) X is married to R.

(Implies, P is the husband of S. Also, R is the father of V.)

Clearly, W is the grandson of W.

**Q95. Answer: (a) Four**

According to the given information,

1) R is the paternal uncle of T who is the daughter of S.

(Implies, R is the brother of T’s father.)

2) Q is the father-in-law of S who is the mother of W.

3) W is the brother of T.

(Implies, S is the mother of T and W.)

4) U is the paternal grandmother of V who is the only son of X.

5) X is married to R.

(Implies, P is the husband of S. Also, R is the father of V.)

Clearly, four female members are there in the family.

**Q96. Answer: (e) Blue**

Given: Seven persons – T, U, V, W, X, Y and Z – sit around a circular shaped table facing the centre, but not necessarily in the same order. Each person likes a different colour – Red, Blue, Green, Yellow, Black, White and Pink, but not necessarily in the same order.

1. The one who likes white sits second to the right of W.
2. Two persons sit between W and T.
3. Two persons sit between T and the who likes green.
4. W doesn’t like green and pink.

Here, there are two cases, i.e. Case 1 and case 2.

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5. X sits second to the right of one who likes green.
6. Two persons sit between X and the one who likes pink.
7. One of the immediate neighbour of T likes black colour.
8. X doesn't like black and red.
9. The one who likes yellow sits second to the left of the one who likes pink.
10. Z doesn't like pink.
11. Three persons sit between Z and the one who likes red.
12. V sits immediate left of Y.

Case 2 gets eliminated because there is no place for Z. So, the final arrangement:

X likes blue colour.

Hence, the correct answer is 'Blue'.

**Q97. Answer: (e) V – Pink**

Given: Seven persons – T, U, V, W, X, Y and Z – sit around a circular shaped table facing the centre, but not necessarily in the same order. Each person likes a different colour – Red, Blue, Green, Yellow, Black, White and Pink, but not necessarily in the same order.

1. The one who likes white sits second to the right of W.
2. Two persons sit between W and T.
3. Two persons sit between T and the who likes green.
4. W doesn't like green and pink.

Here, there are two cases, i.e. Case 1 and case 2.

5. X sits second to the right of one who likes green.
6. Two persons sit between X and the one who likes pink.
7. One of the immediate neighbour of T likes black colour.
8. X doesn't like black and red.
9. The one who likes yellow sits second to the left of the one who likes pink.
10. Z doesn't like pink.
11. Three persons sit between Z and the one who likes red.
12. V sits immediate left of Y.

Case 2 gets eliminated because there is no place for Z. So, the final arrangement:

"V – Pink" – is the correct combination.

Hence, the correct answer is 'V - Pink'.

**Q98. Answer: (d) Fifth to the left**

Given: Seven persons – T, U, V, W, X, Y and Z – sit around a circular shaped table facing the centre, but not necessarily in the same order. Each person likes a different colour – Red, Blue, Green, Yellow, Black, White and Pink, but not necessarily in the same order.

1. The one who likes white sits second to the right of W.
2. Two persons sit between W and T.
3. Two persons sit between T and the who likes green.
4. W doesn't like green and pink.

Here, there are two cases, i.e. Case 1 and case 2.

5. X sits second to the right of one who likes green.
6. Two persons sit between X and the one who likes pink.
7. One of the immediate neighbour of T likes black colour.
8. X doesn't like black and red.
9. The one who likes yellow sits second to the left of the one who likes pink.
10. Z doesn't like pink.
11. Three persons sit between Z and the one who likes red.
12. V sits immediate left of Y.

Case 2 gets eliminated because there is no place for Z. So, the final arrangement:

U is fifth to the left to the one who likes red colour.

Hence, the correct answer is 'Fifth to the left'.

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**Q99. Answer: (b) Four**

Given: Seven persons – T, U, V, W, X, Y and Z – sit around a circular shaped table facing the centre, but not necessarily in the same order. Each person likes a different colour – Red, Blue, Green, Yellow, Black, White and Pink, but not necessarily in the same order.

1. The one who likes white sits second to the right of W.
2. Two persons sit between W and T.
3. Two persons sit between T and the who likes green.
4. W doesn't like green and pink.

Here, there are two cases, i.e. Case 1 and case 2.

5. X sits second to the right of one who likes green.
6. Two persons sit between X and the one who likes pink.
7. One of the immediate neighbour of T likes black colour.
8. X doesn't like black and red.
9. The one who likes yellow sits second to the left of the one who likes pink.
10. Z doesn't like pink.
11. Three persons sit between Z and the one who likes red.
12. V sits immediate left of Y.

Case 2 gets eliminated because there is no place for Z. So, the final arrangement:

Four persons sit between X and the one who likes yellow colour when counted from the left of X.

Hence, the correct answer is 'Four'.

**Q100. Answer: (d) Y**

Given: Seven persons – T, U, V, W, X, Y and Z – sit around a circular shaped table facing the centre, but not necessarily in the same order. Each person likes a different colour – Red, Blue, Green, Yellow, Black, White and Pink, but not necessarily in the same order.

1. The one who likes white sits second to the right of W.
2. Two persons sit between W and T.
3. Two persons sit between T and the who likes green.
4. W doesn't like green and pink.

Here, there are two cases, i.e. Case 1 and case 2.

5. X sits second to the right of one who likes green.
6. Two persons sit between X and the one who likes pink.
7. One of the immediate neighbour of T likes black colour.
8. X doesn't like black and red.
9. The one who likes yellow sits second to the left of the one who likes pink.
10. Z doesn't like pink.
11. Three persons sit between Z and the one who likes red.
12. V sits immediate left of Y.

Case 2 gets eliminated because there is no place for Z. So, the final arrangement:

Y likes green colour.

Hence, the correct answer is 'Y'.

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