

Nainital Bank PO Memory-Based Paper Held on 13 Nov. 2022

Directions (1-10): Read the following passage carefully and answer the questions given below them.

The sum and variation of our biological wealth, known as biodiversity, is essential to the future of this planet. The importance of our planet's biodiversity was strongly _____ at the United Nations Biodiversity Conference in Montreal, Canada. 188 country representatives adopted an agreement to "halt and reverse" biodiversity loss by conserving 30% of the world's land and 30% of the world's oceans, known as the 30×30 pledge. India currently hosts 17% of the planet's human population and 17% of the global area in biodiversity hotspots, placing it at the helm to guide the planet in becoming biodiversity champions.

In response to this call, the Union Budget 2023 mentioned "Green Growth" as one of the seven priorities or Saptarishis. The **emphasis** on green growth is welcome news for India's biological wealth as the country is facing serious losses of natural assets such as soils, land, water, and biodiversity. The National Mission for a Green India aims to increase forest cover and **protect** existing forested lands. The Mangrove Initiative for Shoreline Habitats & Tangible Incomes (MISHTI) is particularly significant because of the extraordinary importance of mangroves and coastal ecosystems in mitigating climate change. Finally, the Amrit Dharohar scheme directly mentions our biological wealth and is expected to "encourage optimal use of wetlands, and enhance biodiversity, carbon stock, eco-tourism opportunities and income generation for local communities". If implemented in letter and spirit, Amrit Dharohar, with its emphasis on sustainability by balancing competing demands, will benefit aquatic biodiversity and ecosystem services. It is critical that these programmes respond to the current state of the country's biodiversity with evidence-based implementation. A science-based and inclusive monitoring programme is critical for the success of these efforts. Finally, each of these efforts must be inclusive of local and nomadic communities where these initiatives will be implemented. Traditional knowledge of these communities should be **integrated** into the implementation plans.

Q1. According to the passage, the 30×30 pledge taken in the United Nations Biodiversity Conference emphasizes on which of the following agenda?

- (a) Curbing and restoring the loss of our biological wealth.
- (b) Effective conservation of at least 30% of the world's lands and oceans.
- (c) Explore advanced and innovative technologies to nurture agriculture.
- (d) All members of the group will come together to take effective measures.
- (e) Only (a) and (b)

Q2. As mentioned in the passage, what makes India a mentor of the world to become a biodiversity champion?

- (a) India's geographical location which makes it a suitable habitat for many species.
- (b) India's occupancy of seventeen percent of the global area in biodiversity hotspots.
- (c) India's human population which is seventeen percent of the world's total population.
- (d) Only (b) and (c)
- (e) All of these

Q3. Why is there a need to pursue green growth in India, as mentioned in the passage?

- (a) To restrain the usage of chemicals and pesticides in the harvest.
- (b) Since India is facing a serious crisis of natural assets.
- (c) To promote organic farming to foster economic growth.
- (d) It can reduce the prevalence of air pollution-related diseases
- (e) None of these

Q4. As suggested by the author in the passage, what is the target set under National Mission for Green India?

- (a) It aims at protecting forest lands and enhancing India's forest cover.
- (b) Ecological restoration of shifting cultivation areas, mangroves and scrubs.
- (c) Its goal is to adopt comprehensive soil health management practices.
- (d) Increase forest-based income of households in and around forest areas.
- (e) None of these

Q5. Which of the following measures is crucial for ensuring success of the government programmes, as mentioned by the author?

- (a) Providing environmental data which should be based on research and analysis.
- (b) Adequate and timely allocation of funds required for programmes implementation.
- (c) Comprehensive monitoring programme that should be based on scientific observations.
- (d) Formation of a separate committee to monitor the execution of programmes.
- (e) None of these

Q6. Which of the following words is a synonym of 'EMPHASIS' as highlighted in the passage?

- (a) baffle
- (b) ambiance
- (c) corroboration
- (d) revoke
- (e) stress

Q7. Which of the following words is an antonym of 'PROTECT' as highlighted in the passage?

- (a) refine
- (b) ravage
- (c) abate
- (d) perplex
- (e) ample

Q8. Which of the following statements is INCORRECT with respect to the information given in the passage?

- (a) Saptarishis signifies the seven priorities of the Union government.
- (b) Efficient use of wetlands is one of the motives of Amrit Darohar.
- (c) Mangroves and coastal ecosystem play an important role in curtailing climate change.
- (d) Traditional knowledge of local communities should be considered for governmental programmes.
- (e) All are correct

Q9. Which of the following words is the most suitable word for the blank given in the passage?

- (a) decree
- (b) conferred
- (c) articulated
- (d) prevailed
- (e) adjourned

Q10. Which of the following words is a synonym of 'integrated'?

- (a) convulse
- (b) vitiate
- (c) resonate
- (d) amalgamate
- (e) muffle

Directions (11-15): Read each sentence to find out whether there is any grammatical or idiomatic error in it. The error, if any, will be in one of the parts of the sentence then, the number of that part is the answer. If there is 'No error', the answer is 'e'. (Ignore errors of punctuation, if any)

Q11. Yesterday I met (A)/ my friend who (B)/ is now a doctor (C)/ and a musician (D)/ No error (E).

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

Q12. She is fond of (A)/hilly food as (B)/she lives in hilly areas (C)/ since her childhood (D)/ No error (E).

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

Q13. Despite of several disputes, (A)/ the couple decided to (B)/ live together for the (C)/rest of their lives (D)/ No error (E).

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

Q14. The university will (A)/ conduct exams (B)/after COVID-19 cases (C)/ will decline (D)/ No error (E).

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

Q15. The G20 was created in (A)/ response to the financial (B)/ crises that arose in a (C)/ number of emerging economy (D)/ No error (E)

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

Directions (16-20): In the following passage there are blanks, each of which has been denoted by a letter. For each blank, five options are given. Find out the appropriate word which fits the blank appropriately.

A Constitution is the basic law that lays the _____ (A) for the governance of a country. It lays down broad policy/directives for the authorities and institutions tasked with its _____ (B). Basic eligibility criteria for appointment to several high constitutional offices are _____ (C) in the Constitution. Yet, many silent disqualifications operate. These are implied and read into the eligibility criteria by courts, solely guided by the objective of _____ (D) the Constitution and the law and the _____ (E) of the institution for which the functionary is chosen.

Q16. Which of the following words will fit in the given blank (A)?

- (a) hypothesis
- (b) foundation
- (c) vicinity
- (d) conspire
- (e) prestige

Q17. Which of the following words will fit in the given blank (B)?

- (a) delegation
- (b) perturbation
- (c) rejuvenation
- (d) implementation
- (e) proliferation

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

- (a) prescribed
- (b) surmounted
- (c) accomplished
- (d) tweaked
- (e) overwhelmed

Q19. Which of the following words will fit in the given blank (D)?

- (a) expelling
- (b) glorifying
- (c) combating
- (d) expediting
- (e) upholding

Q20. Which of the following words will fit in the given blank (E)?

- (a) revolt
- (b) manifest
- (c) integrity
- (d) prudence
- (e) flaws

Directions (21-25): In each of the sentence a word is missing, choose the word from the given options to fill the given blank without altering the intended meaning.

Q21. Relief workers in _____ with local charities are trying to help the famine victims.

- (a) interpretation
- (b) concentration
- (c) alliance
- (d) negligence
- (e) finance

Q22. Getting the right qualifications will _____ your employment prospects.

- (a) bleak
- (b) confront
- (c) balance
- (d) cancel
- (e) enhance

Q23. Inflation has been _____ away their savings

- (a) jarring
- (b) tumbling
- (c) harmonizing
- (d) wearing
- (e) gaining

Q24. She kept her cool and managed to get herself out of the _____.

- (a) ordeal
- (b) vengeance
- (c) privatization
- (d) determination
- (e) entrance

Q25. The social _____ of religion has changed over time.

- (a) exclamation
- (b) significance
- (c) clarification
- (d) subjugation
- (e) indication

Directions (26-30): In the following questions, sentences are given with a part in bold. The given phrase in bold may or may not contain an error. If phrase has error, one of the options following can replace the incorrect phrase. The correct phrase which replaces the erroneous phrase will be your answer. If the sentence is correct then select 'No improvement required' as your answer.

Q26. I don't knows that he will like surprise or not.

- (a) know that he will
- (b) know whether he will
- (c) know that he is
- (d) know either he will
- (e) No replacement required

Q27. He exclaimed with sorrow that he auctioned his house last month to pay his debts.

- (a) that he was auctioned
- (b) that he has auctioned
- (c) that he had auctioned
- (d) that he had been auctioned
- (e) No replacement required

Q28. He is only a child and still looks for his parents.

- (a) looks before
- (b) look for
- (c) look after
- (d) looks after
- (e) No replacement required

Q29. Meditation is the best way to get rid of depression than medication.

- (a) the best method to get
- (b) a better way for get
- (c) a better way to get
- (d) the best way for get
- (e) No replacement required

Q30. One of the ways to beat dehydration is to drink before you get thirsty.

- (a) are to drink before
- (b) is to drinking before
- (c) are drink before
- (d) is drinking before
- (e) No replacement required

Directions (31-35): Rearrange the following sentences in a meaningful sequence that makes for a proper narrative and then answer the following questions.

- (A) The fruit is a nut called an acorn or oak nut borne in a cup-like structure known as a cupule.
- (B) The oak tree is a tree or shrub in the genus *Quercus*, which has spirally arranged leaves.
- (C) Each acorn usually contains one seed and takes 6–18 months to mature, depending on their species.
- (D) In spring, the oak tree produces its flowers, which then bear fruit.
- (E) The acorns and leaves contain tannic acid, which helps to guard from fungi and insects.

Q31. Which of the following will be the fourth statement after rearrangement?

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

Q32. Which of the following will be the third statement after rearrangement?

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

Q33. Which of the following will be the second statement after rearrangement?

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

Q34. Which of the following will be the fifth statement after rearrangement?

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

Q35. What will be the correct order of the statements after meaningful rearrangement?

- (a) CADEB
- (b) DABCE
- (c) ACEBD
- (d) BDACE
- (e) EDABC

Directions (36-37): In each of the following questions, a sentence has been divided into four phrases. These phrases may or may not have been placed in their correct positions. Identify the correct rearrangement of the phrases to make the sentence grammatically correct and contextually meaningful and mark that option as your answer.

Q36. the public image of Ayurveda (A)/ view that characterises (B)/ that Ayurveda treatments are (C)/ slow to heal is a common (D).

- (a) DABC
- (b) ABDC
- (c) CDBA
- (d) ACBD
- (e) No rearrangement required

Q37. a mass nesting season (A)/ turtles come ashore from (B)/ every year, thousands of (C)/ the Bay of Bengal for (D).

- (a) CBDA
- (b) ABDC
- (c) CBAD
- (d) ACBD
- (e) No rearrangement required

Directions (38-40): In each of the given questions, a word has been given in bold. Following the word, three sentences have been given. Find out which of the following sentences has/have the correct usage of the word.

Q38. Insane

- (I) Dogs have an **insane** habit of chasing cars in the streets.
 - (II) So much syllabus of the exam will drive me **insane**.
 - (III) Plants need **insane** sunlight for the photosynthesis process.
- (a) Only (I)
 - (b) Both (II) & (III)
 - (c) Both (III) & (I)
 - (d) Only (II)
 - (e) Both (I) & (II)

Q39. Chaos

- (I) I will meet you before the **chaos** of the city.
 - (II) Plundering in the safest bank has caused **chaos** throughout the city.
 - (III) The government should provide free education for **chaos** in the country.
- (a) Only (I)
 - (b) Both (II) & (III)
 - (c) Both (III) & (I)
 - (d) Both (I) & (II)
 - (e) Only (II)

Q40. Deceiving

(I) Beggars have a habit of **deceiving** by pretending handicapped before people.

(II) Inflation is the **deceiving** lack of supply in the market.

(III) The company was **deceiving** customers by selling low quality products.

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

Directions (41-45): Find the wrong number in the following number series.

Q41. 22, 32, 52, 92, 172, 272, 652

- (a) 652
- (b) 272
- (c) 172
- (d) 92
- (e) 32

Q42. 5, 15, 60, 300, 1800, 12600, 100080

- (a) 300
- (b) 60
- (c) 15
- (d) 5
- (e) 100080

Q43. 12, 36, 90, 180, 270, 405, 135,

- (a) 270
- (b) 36
- (c) 405
- (d) 12
- (e) 135

Q44. 3, 10, 36, 99, 223, 440, 780

- (a) 440
- (b) 10
- (c) 36
- (d) 99
- (e) 223

Q45. 484, 340, 240, 176, 130, 124, 120

- (a) 340
- (b) 240
- (c) 130
- (d) 124
- (e) 120

Directions (46-50): What approximate value will come in place of question mark (?) in the following questions. (You are not expected to calculate the exact value)

Q46. $2300.01\% \text{ of } 49.94 - \sqrt{1024.03} + 3.02 \times 10.96 = ?$

- (a) 1051
- (b) 1091
- (c) 1100
- (d) 1151
- (e) 1181

Q47. $? + 54.92 \div 10.96 - (22.03)^2 = 0$

- (a) 512
- (b) 465
- (c) 479
- (d) 450
- (e) 529

Q48. $\frac{5335.03}{11.01} - 215.90 \times 5.12 + \sqrt{120.88} + ? = 0$

- (a) 555
- (b) 572
- (c) 584
- (d) 512
- (e) 534

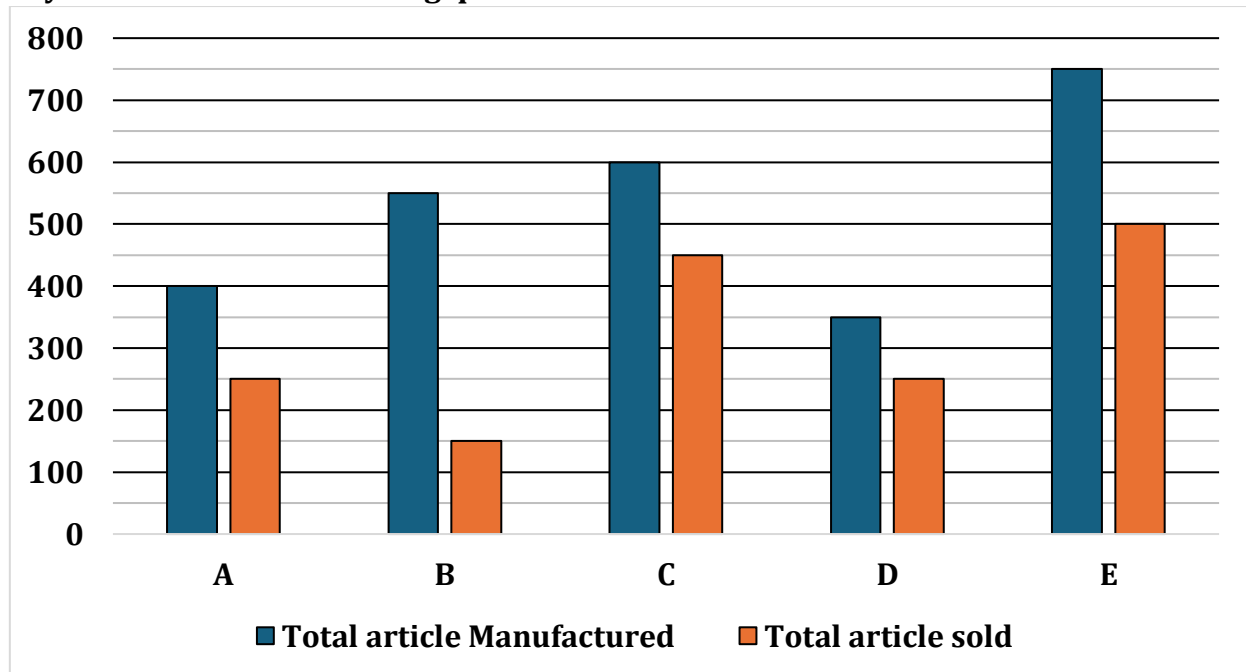
Q49. $28.98^2 - 13.02^3 + ? = 744 \times \frac{3}{2}$

- (a) 2140
- (b) 2340
- (c) 2440
- (d) 2540
- (e) 2472

Q50. $170\% \text{ of } 160 + 24.48 \times 4.02 + ? = 1444$

- (a) 1074
- (b) 1072
- (c) 1084
- (d) 1094
- (e) 1078

Directions (51-55): The bar graph given below shows total number of articles manufactured and total number of articles sold by five different (A, B, C, D and E) shops. Read the bar graph carefully and answer the following question.



Q51. Find the ratio of total unsold articles by all the five shops and total articles manufactured by shops D and E together.

- (a) 21:22
- (b) 22:21
- (c) 20:21
- (d) 21:20
- (e) 21:19

Q52. If 40% of total sold articles by shop A are defective, then find the difference between total unsold articles and defective articles by shop A.

- (a) 20
- (b) 30
- (c) 10
- (d) 25
- (e) 50

Q53. In shop C, the ratio of cost price to selling price of each article is 7:8. Marked price of each article is $28\frac{4}{7}\%$ above the cost price and the discount given on each article is Rs.12. Find the total profit earned by selling the all articles by shop C.

- (a) Rs. 5200
- (b) Rs. 5500
- (c) Rs. 5400
- (d) Rs. 5100
- (e) Rs. 5000

Q54. Total unsold articles by C are what percentage of total unsold articles by B & D together?

- (a) 20%
- (b) 30%
- (c) 10%
- (d) 25%
- (e) 35%

Q55. Find the difference between total sold articles and total unsold articles by the all five shops.

- (a) 660
- (b) 220
- (c) 440
- (d) 550
- (e) 330

Q56. A and B started a business with investment of Rs.4500 and Rs.6000 respectively. After four months, A withdrew his whole investment and C joins with 50% of the initial investment made by A and B together. If at the end of the year total profit was Rs.1320, then find the profit share of C.

- (a) Rs. 420
- (b) Rs. 450
- (c) Rs. 465
- (d) Rs. 485
- (e) Rs. 490

Q57. A vessel initially contains 100 liters of juice and 20 liters of juice was replaced by water. If this process was repeated two more times, then find the percentage of water in the vessel finally.

- (a) 44.8%
- (b) 48.8%
- (c) 46.8%
- (d) 42.8%
- (e) 47.8%

Q58. A train running at the speed of 180 km/hr. and crosses a platform in 18 secs. If length of a bridge is four times of the length of platform and the train takes 30 secs to cross the bridge, then find the length of the platform?

- (a) 100 meters
- (b) 180 meters
- (c) 300 meters
- (d) 200 meters
- (e) 210 meters

Q59. The average of present age of P, R and Q is 24 years and the average of present age of Q and R is 28 years. If age of X is two years ago was $11/8^{\text{th}}$ of present age of P, then find the present age of X.

- (a) 22 years
- (b) 26 years
- (c) 21 years
- (d) 24 years
- (e) 28 years

Q60. Y and Z together can eat 76 cookies in 4 hours and 45 minutes, while Z alone can eat 65 cookies in 6 hours and 30 minutes. Find the time taken by Y alone to eat 25 cookies.

- (a) 4 hours 12 min.
- (b) 4 hours 10 min.
- (c) 4 hours 18 min.
- (d) 4 hours 20 min.
- (e) 4 hours 52 min.

Q61. The ratio of marked price and selling price of an article is 11:7 respectively and shopkeeper earned 40% profit on selling the article. If marked price of article is Rs.120 above its cost price, then find the cost price of the article?

- (a) Rs. 120
- (b) Rs. 105
- (c) Rs. 110
- (d) Rs. 100
- (e) Rs. 140

Q62. The present age of X and Y is 16 years and 12 years respectively. After 'T' years from now the ratio of the ages of X to that of Y will be 6:5 respectively. Find the value of T?

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

Q63. A invested Rs. Y in simple interest for two years at the rate of 8% p.a. and earned interest of Rs.1232. If same amount was invested in compound interest at the rate of 10% p.a. for same years, then find the compound interest received by A?

- (a) Rs. 1716
- (b) Rs. 1812
- (c) Rs. 1419
- (d) Rs. 1617
- (e) Rs. 1511

Q64. Perimeter of a square is 168m and length of a rectangle is $28\frac{4}{7}\%$ more than side of square.

If breadth of the rectangle is $11\frac{1}{9}\%$ less than of its length, then find the area of the rectangle?

- (a) 2592 cm²
- (b) 2925 cm²
- (c) 2742 cm²
- (d) 2172 cm²
- (e) 2902 cm²

Q65. A bike covers 528 km at a uniform speed. When its speed is increased by 22 km/hr, then it takes 25% less time to cover the same distance. If the bike travels at its uniform speed, then find the time taken to cover the distance.

- (a) 8 hours
- (b) 6 hours
- (c) 9.5 hours
- (d) 5.5 hours
- (e) 12 hours

Directions (66-70): Study the given data carefully and answer the following questions.

In a library there are two type of people, one who reads English newspaper and another who reads Hindi newspaper. Total 40 (male + female) reads both (English + Hindi) newspaper, which is half of male who reads only English newspaper. 30 female reads both (English and Hindi) newspaper, which is 25% of female who reads only English newspaper. The ratio of male to female who reads only Hindi newspaper is 7:9. Total no. of female who reads only Hindi and only English newspaper together are 40% more than total males who read only Hindi and English Newspaper together.

Q66. How many people (male + female) reads only Hindi newspaper?

- (a) 128
- (b) 192
- (c) 160
- (d) 80
- (e) 64

Q67. No. of male who reads only English newspaper are what percent of female who reads Hindi newspaper?

- (a) 70%
- (b) 88.89%
- (c) 66.67%
- (d) 80%
- (e) None of these.

Q68. What is the difference between total no. of male and female?

- (a) 40
- (b) 60
- (c) 50
- (d) 80
- (e) 30

Q69. What is the ratio of no. of people (male+ female) who reads both newspaper to no. of female who reads only Hindi?

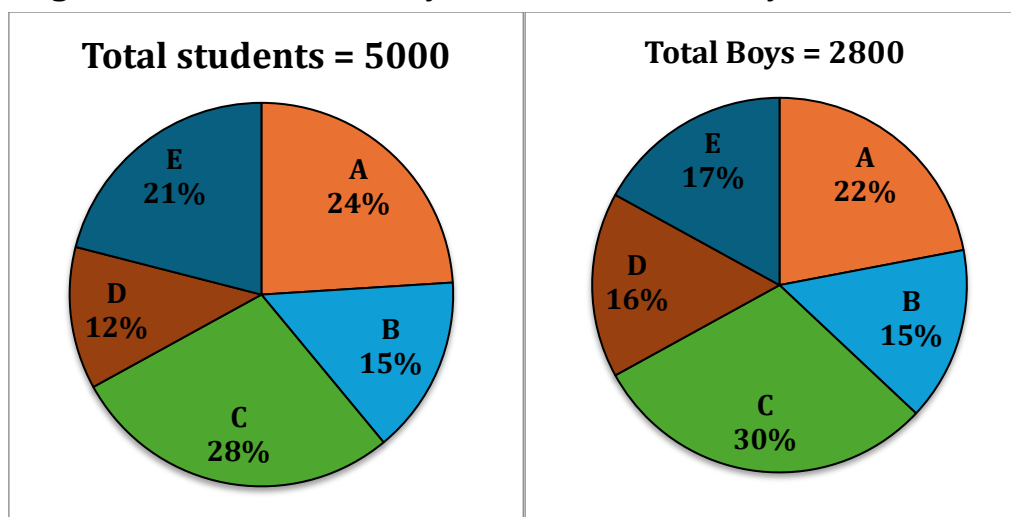
- (a) 4:9
- (b) 2:5
- (c) 5:7
- (d) 3:7
- (e) 4:7

Q70. No. of female who read English newspaper are what percent of total no. of people (male + female)?

- (a) 65.5%
- (b) 30%
- (c) 33.33%
- (d) 37.5%
- (e) None of these.

Directions (71-75): Study the pie chart given below and answer the following questions.

Pie charts shows the percentage distribution of total students in 5 different schools (A, B, C, D & E) and percentage distribution of total boys in these 5 schools in year 2019.



Q71. Total girls from school B and D together are what percent total students from school C and D together?

- (a) 26.1%
- (b) 23.1%
- (c) 25.1%
- (d) 22.1%
- (e) 24.1%

Q72. What is the ratio of total girls from school C and D together to total girls from school B and E together?

- (a) 87 : 112
- (b) 89 : 117
- (c) 89 : 115
- (d) 87 : 113
- (e) 89 : 113

Q73. Number of girls in school B in 2020 are increased by 20% over previous year while number of boys are decreased by $14\frac{2}{7}\%$. Total students in school B in year 2020 are what percent more or less than the total students in school D in year 2019?

- (a) 28%
- (b) 24%
- (c) 20%
- (d) 27%
- (e) 26%

Q74. Out of total boys in school A, $2\frac{3}{11}\%$ failed the exam. If out of total students in class A, 7% failed the exam, then girls in school A who failed the exam are what percent of the total girls in school C?

- (a) 15%
- (b) 20%
- (c) 12%
- (d) 12.5%
- (e) 16%

Q75. Find average number of boys in school – C, D & E ?

- (a) 588
- (b) 615
- (c) 674
- (d) 549
- (e) 571

Directions (76-80): In each of these questions, two equations (i) and (ii) are given. You have to solve both the equations and give answers.

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

Q76. (i) $2x^2 - 12x + 16 = 0$
(ii) $2y^2 - 20y + 48 = 0$

Q77. (i) $x^2 - 3x - 40 = 0$
(ii) $y^2 + 11y + 30 = 0$

Q78. (i) $2x^2 - x - 3 = 0$

(ii) $2y^2 - 6y + 4 = 0$

Q79. (i) $2x^2 + 14x - 16 = 0$

(ii) $y^2 - y - 12 = 0$

Q80. (i) $2x^2 - 9x + 10 = 0$

(ii) $4y^2 - 12y + 9 = 0$

Directions (81-84): In each question below some statements are given followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Give answer-

(a) If only conclusion I follows

(b) If only conclusion II follows

(c) If either conclusion I or II follows

(d) If neither conclusion I nor II follows

(e) If both conclusions I and II follow

Q81. Statements:

All Purple is Nykaa.

Only a few Purple is Myntra

No Amazon is Myntra

Conclusions:

I. All Purple can never be Amazon

II. All Nykaa being Myntra is a possibility

Q82. Statements:

Only Universe is Galaxy

Some Planets are Universe

Only a few Earth is Planets

Conclusions:

I. No Galaxy is Earth

II. Some Earth can be Universe

Q83. Statements:

Some Prime is not Even

All Even is Odd

Only a few Constant is Odd

Conclusions:

I. Some Constant is not Even

II. All Constant being Odd is not a possibility

Q84. Statements:

Only a few Team is Winner

Only a few Winner is Captain

No Captain is Leader

Conclusions:

I. No Winner is Leader

II. All Winner is Leader

Directions (85-89): Study the following information carefully and answer the questions given below:

Eight persons i.e., A-H sit around a circular table but not necessarily in the same order. All of them face towards the centre of the table. Each of them likes sports shoes of different brands i.e., Nike, Reebok, Adidas, Sparx, Campus, Duke, Fila and Puma but not necessarily in the same order.

One person sits between D and the one who likes the shoes of Campus. Two persons sit between the one who likes the shoes of Campus and B. D and B do not sit adjacent to each other. One person sits between B and the one who likes the shoes of Sparx. The one who likes the shoes of Campus and Sparx shoes does not sit adjacent to each other. E sits second to the left of one who likes the shoes of Nike. E neither likes the shoes of Campus nor sits adjacent to it. B does not like the shoes of Nike. The one who likes the shoes of Sparx does not sit adjacent to Nike. H sits third to the right of E and likes the shoes of Duke. G who likes the shoes of Fila sits opposite to the one who likes the shoes of Adidas. F neither likes the shoes of Sparx nor of Nike. C neither like the shoes of Nike nor E likes the shoes of Puma.

Q85. Which of the following shoe brand does a person likes who sits opposite A?

- (a) Sparx
- (b) Duke
- (c) Puma
- (d) Reebok
- (e) None of these

Q86. Who among the following person sits second to the left of the one who likes Reebok?

- (a) G
- (b) A
- (c) The one who likes the shoes of Campus
- (d) The one who likes the shoes of Puma
- (e) None of these

Q87. Who among the following person likes the shoes of Campus?

- (a) Person who sits opposite to H
- (b) Person who sits second to the left of B
- (c) A
- (d) F
- (e) None of these

Q88. Who among the following person sits third to the left of E?

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

Q89. What is the position of the one who likes shoes of Reebok with respect to G?

- (a) Immediate right
- (b) Third to the right
- (c) Second to the left
- (d) Second to the right
- (e) None of these

Directions (90-93): In the following questions assuming the given statement to be true, find which of the conclusion(s) among the given conclusions is/are definitely true and then give your answers accordingly.

Q90. Statements: $M \leq N < O \geq P > Q$; $T \geq O = R \leq S$

Conclusions: I. $T \geq Q$ II. $N < S$

- (a) Only conclusion I is true
- (b) Only conclusion II is true
- (c) Either conclusion I or II is true
- (d) Neither conclusion I nor II is true
- (e) Both conclusions I and II are true

Q91. Statements: $A \leq S < D > F \geq G = H \leq J > K < L$

Conclusions: I. $A < G$ II. $H \leq A$

- (a) Only conclusion I is true
- (b) Only conclusion II is true
- (c) Either conclusion I or II is true
- (d) Neither conclusion I nor II is true
- (e) Both conclusions I and II are true

Q92. Statements: $M > P \geq T = R$; $C < X \geq P \geq H$

Conclusions: I. $R \leq X$ II. $M > H$

- (a) Only conclusion I is true
- (b) Only conclusion II is true
- (c) Either conclusion I or II is true
- (d) Neither conclusion I nor II is true
- (e) Both conclusions I and II are true

Q93. Statements: $P \leq L = M$; $O \geq J > L$; $U \leq J = B$

Conclusions: I. $M \leq O$ II. $P < B$

- (a) Only conclusion I is true
- (b) Only conclusion II is true
- (c) Either conclusion I or II is true
- (d) Neither conclusion I nor II is true
- (e) Both conclusions I and II are true

Directions (94-96): Study the following information carefully and answer the questions given below:

Point Q is 9m to the north of point D which is 5m to the east of point R. Point A is 2m to the west of point E which is 3m to the north of point R. Point B is to the east of point C and to the north of point P. Point S is 3m to the south of point C and 7m to the west of point Q. The distance between point C and point B is 5m more than the distance between point S and point Q. The distance between point B and point P is twice the distance between point C and point S.

Q94. Four of the following five are alike in a certain way and hence form a group, which of the following does not belong to the group?

- (a) RB
- (b) AQ
- (c) DP
- (d) CQ
- (e) EB

Q95. What is the shortest distance between point B and point D?

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

Q96. What is the total distance from point P to point D?

- (a) 43m
- (b) 33m
- (c) 37m
- (d) 41m
- (e) 47m

Directions (97-101): A number arrangement machine when given an input line of numbers rearranges them following a particular rule in each step. The following is an illustration of input and rearrangement:

Input:	89543	28564	67925	32845	79845
Step I:	98452	39475	76834	23954	68954
Step II:	1413	6532	1251	1641	2141
Step III:	6532	2141	1641	1413	1251
Step IV:	KE	CE	GE	ED	CF
Step V:	11	5	7	5	6

Step V is the last step of the given arrangement. Based on the given logic, rearrange the given input.

Input: 48796 82459 63894 38592 73546

Q97. What is the sum of the third smallest number and the second highest number in step II of the given input?

- (a) 12347
- (b) 19543
- (c) 11927
- (d) 16458
- (e) 11627

Q98. What is the difference between the sum of all the even numbers in step I and the second number from the left end in step V?

- (a) 95510
- (b) 93540
- (c) 72947
- (d) 62947
- (e) 87531

Q99. How many letters are between the 4th letter from the left end and 6th letter from the right end according to alphabetical series in step IV?

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

Q100. Which of the following number is second to the left of fifth number from left end in step III?

- (a) 6214
- (b) 4321
- (c) 7545
- (d) 4212
- (e) 5713

Q101. What is the product of the digits within the number which is second from the right end in step II?

- (a) 800
- (b) 900
- (c) 700
- (d) 500
- (e) 400

Directions (102-103): Each of the questions below, consist of a question and two statements numbered I and II given below it. You have to decide whether the data given in the statements are sufficient to answer the question or not. Read both statements and choose the most appropriate option.

- (a) If data in statement I is sufficient
- (b) If data in statement II is sufficient
- (c) If data either in statement I alone or in statement II alone is sufficient
- (d) If data in both statements, even together is not sufficient
- (e) If data in both statements together, is sufficient

Q102. Five students attend the lectures of different subjects from Monday to Friday. Who attends the lecture of Computer?

I. At least two students attend the lecture before U. N does not attend the lecture in adjacent days of U. G attends English lecture.

II. Two days gap between U and Hindi lecture. One day gap between N and L who attends the lecture two days before Math lecture. C attends the lecture before Physics lecture and after N.

Q103. What is the direction of A with respect to Q.

I. A is in west of B which is north of C. E is south of G which is east of C. F is west of E and south of A. Q is west of P which is south of F.

II. A is north of G which is west of E. F is south of E. B is north of Q and west of F. C is north of P which is east of E.

Directions (104-108): Study the following series carefully and answer the questions given below:

A W # E \$ T U & % L B @ Z β E C ® X © ¥ I B Ω R O ∞ F E

Q104. Which among the following element is 6th to the left of the symbol which is 5th from the right end?

- (a) ®
- (b) Z
- (c) B
- (d) @
- (e) U

Q105. If all the vowels are eliminated from the given series, then how many symbols are immediately preceded as well as immediately followed by a letter?

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

Q106. If the last 15 elements from the given series are reversed, then which among the following vowel is 5th from the right end?

- (a) E
- (b) U
- (c) A
- (d) I
- (e) O

Q107. How many consonants are between the elements which are 7th and 4th from right and left ends respectively?

- (a) Six
- (b) Seven
- (c) Nine
- (d) Eight
- (e) Three

Q108. What will be the sum of the place value of the letters (according to the alphabetical series) which are 3rd, 6th and 10th from the left end of the series?

- (a) 25
- (b) 30
- (c) 19
- (d) 21
- (e) 20

Q109. How many such pairs of letters are there in the given word "OPPOSITION", each of which has as many letters between them as they have in the English alphabetical series (In forward direction)?

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

Q110. If 1 is subtracted from each even digit and 2 is added to each odd digit in the given number "613256748", then what will be the product of the 4th digit from both the ends in the new number thus formed?

- (a) 4
- (b) 6
- (c) 5
- (d) 9
- (e) None of these

Directions (111-115): Study the following information carefully and answer the questions given below.

Twelve persons i.e., K, D, F, X, E, V, A, U, T, B, U and Z are sitting in two parallel rows containing six persons each. The person sitting in row 1 facing south and the person sitting in row 2 are sitting in row-2 and facing north direction. The person sitting in row 1 faces the person sitting in row 2.

D faces the one who sits immediately left of K. Either D or K sits at one of the ends. More than two persons sit to the right of D. B sits second to the left of K. F sits three persons away to the left of A. F neither sit at an end nor in row 1. Three persons sit between the one who sits immediately right of both U and Z. U and K do not sit adjacent to each other. Z neither sit at any end nor adjacent to B. As many persons sit to the left of Y as to the right of D. Number of persons sit between U and X is same as the number of persons sit between B and T. T and E do not sit adjacent to each other. U doesn't face south direction.

Q111. How many persons sit between B and T?

- (a) None
- (b) Two
- (c) One
- (d) Three
- (e) Cannot be determined

Q112. Who among the following person sits immediately to the right of U?

- (a) D
- (b) V
- (c) X
- (d) B
- (e) None of these

Q113. Who among the following person sits at the left end in row 1?

- (a) D
- (b) K
- (c) T
- (d) Z
- (e) None of these

Q114. How many persons sit to the right of V?

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

Q115. How many persons sit to the left of X?

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

Q116. Find the odd one out.

- (a) MOR
- (b) GIL
- (c) HJL
- (d) TVY
- (e) CEH

Directions (117-119): Study the following information carefully and answer the questions given below:

Q is the maternal grandfather of S who has only one sibling. P is the mother-in-law of Q. R is the father of T who is the grandson of Q. Q has only one child. O is N's only daughter. N is the only child of P's spouse. The gender of M and S is the same.

Q117. What is the ratio of male to female members?

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

Q118. How M is related to Q?

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

Q119. Who among the following is the grandchild of N?

- (a) T
- (b) M
- (c) S
- (d) Both T and S
- (e) Can't be determined

Q120. If in the word "RHOMBUS", all the letters are arranged in reverse alphabetical order from the left end, then which of the following letter will be the second to the left of the letter which is third from the right end?

- (a) S
- (b) M
- (c) R
- (d) U
- (e) B

Solutions

S1. Ans.(e)

Sol. By going through the lines of the first paragraph of the passage we can conclude that option (e) is the correct choice. Refer to lines, that mentions, **“188 country representatives adopted an agreement to “halt and reverse” biodiversity loss by conserving 30% of the world’s land and 30% of the world’s oceans, known as the 30×30 pledge.”**

S2. Ans.(d)

Sol. The correct choice is option(d). To validate the answer, refer to the lines that mentions, **“India currently hosts 17% of the planet’s human population and 17% of the global area in biodiversity hotspots, placing it at the helm to guide the planet in becoming biodiversity champions.”**

S3. Ans.(b)

Sol. To validate the answer, refer to line which mentions, **“The emphasis on green growth is welcome news for India’s biological wealth as the country is facing serious losses of natural assets such as soils, land, water, and biodiversity.”**

S4. Ans.(a)

Sol. The correct choice is the option (a). To validate the answer, refer to the lines that mentions, **“The National Mission for a Green India aims to increase forest cover and protect existing forested lands.”**

S5. Ans.(c)

Sol. To validate the answer, refer to the lines of the second paragraph that mention, **“A science-based and inclusive monitoring programme is critical for the success of these efforts.”**

S6. Ans.(e)

Sol. ‘Stress’ is a synonym of ‘emphasis’.

- (a) baffle: totally bewilder or perplex.
- (b) ambiance: the character and atmosphere of a place.
- (c) corroboration: evidence which confirms or supports a statement, theory, or finding; confirmation.
- (d) revoke: officially cancel (a decree, decision, or promise).
- (e) stress: to give importance to something

S7. Ans.(b)

Sol. ‘Ravage’ is an antonym of ‘protect’.

- (a) refine: remove impurities or unwanted elements from (a substance), typically as part of an industrial process.
- (b) ravage: cause severe and extensive damage to.
- (c) abate: (of something unpleasant or severe) become less intense or widespread.
- (d) perplex: make (someone) feel completely baffled.
- (e) ample: enough or more than enough; plentiful.

S8. Ans.(e)

Sol. All the given sentences are correct.

For option (a), refer to the lines, "In response to this call, the Union Budget 2023 mentioned "Green Growth" as one of the seven priorities or Saptarishis."

For option (b), refer to the lines, "Finally, the Amrit Dharohar scheme directly mentions our biological wealth and is expected to "encourage optimal use of wetlands, and enhance biodiversity, carbon stock, eco-tourism opportunities and income generation for local communities"."

For option (c), refer to the lines, "The Mangrove Initiative for Shoreline Habitats & Tangible Incomes (MISHTI) is particularly significant because of the extraordinary importance of mangroves and coastal ecosystems in mitigating climate change."

For option (d), refer to the lines, "Finally, each of these efforts must be inclusive of local and nomadic communities where these initiatives will be implemented. Traditional knowledge of these communities should be integrated into the implementation plans."

S9. Ans.(c)

Sol. 'Articulated' is the most suitable word for the given blank.

(a) **decree:** an official order that has the force of law.

(b) **conferred:** grant (a title, degree, benefit, or right).

(c) **articulated:** pronounce (something) clearly and distinctly.

(d) **prevailed:** prove more powerful or superior.

(e) **adjourned:** break off (a meeting, legal case, or game) with the intention of resuming it later.

S10. Ans.(d)

Sol. 'Amalgamate' is a synonym of 'integrated'.

(a) **convulse:** throw (a country) into violent social or political upheaval.

(b) **vitiate:** spoil or impair the quality or efficiency of.

(c) **resonate:** produce or be filled with a deep, full, reverberating sound

(d) **amalgamate:** combine or unite to form one organization or structure.

(e) **muffle:** wrap or cover for warmth.

S11. Ans.(d)

Sol. The error is in part (D).

Explanation:

When two or more nouns refer to the same person or thing, and they are connected by "and," "as well as," "along with," or similar conjunctions, we use the article only before the first noun. The subsequent nouns do not require an article.

In the given sentence, the friend is described as being both a doctor and a musician. Since both "doctor" and "musician" refer to the same person (the friend), we only need to use the article "a" before the first noun, which is "doctor." Therefore, the correct sentence would be: "Yesterday I met my friend who is now a doctor and musician."

Hence, the correct sentence formed will be "Yesterday I met my friend who is now a doctor and musician"

S12. Ans.(c)

Sol. The error in part (C) of the sentence is related to the tense inconsistency.

Let's break down the grammatical rule:

In the given sentence, the verb tense used is the present perfect continuous tense, which indicates an action that started in the past, continues in the present, and may continue into the future.

The correct form for the verb in this tense consists of the present perfect tense of "have" (has/have) followed by the auxiliary verb "been" and the present participle form (-ing form) of the main verb.

In the original sentence, the verb "lives" is in the simple present tense, which does not match the tense of the rest of the sentence. To make the verb tense consistent, we need to use the present perfect continuous form.

The corrected sentence would be: "She is fond of hilly food as she has been living in hilly areas since her childhood."

By using "has been living," we indicate that the action of living in hilly areas started in the past, has continued until the present, and may still be ongoing.

S13. Ans.(a)

Sol. The error is in part (A) of the sentence. The word "of" should be removed after "Despite." The correct form is "Despite several disputes." Therefore, the answer is (a) A.

Explanation:

The word "despite" is a preposition, and it is used to introduce a contrast or opposition between two things. It is followed by a noun or a pronoun, but it does not require the preposition "of" after it. So, in this case, we should remove the "of" after "Despite."

Corrected sentence: "Despite several disputes, the couple decided to live together for the rest of their lives."

S14. Ans.(d)

Sol. The error is in part (D) of the sentence. The verb form "will decline" should be changed to "decline." The corrected sentence would be: "The university will conduct exams after COVID-19 cases decline." Therefore, the answer is (d) D.

Explanation:

The sentence is discussing a future event (the university conducting exams) that is dependent on the occurrence of another event (COVID-19 cases declining). In such cases, **we use the present tense after "after" or other time conjunctions, even if the main clause is in the future tense.**

Using "will decline" creates an unnecessary repetition of the future tense. Instead, we simply use the base form of the verb "decline" to indicate the expected action in the future.

Corrected sentence: **"The university will conduct exams after COVID-19 cases decline."**

S15. Ans.(d)

Sol. The error is in part (D) of the sentence. **"economy" should be changed to "economies" to match the plural form.**

The corrected sentence would be: **"The G20 was created in response to the financial crises that arose in a number of emerging economies."** Therefore, the answer is (d) D.

Explanation:

The phrase "a number of" is followed by a plural noun. In this case, "economies" should be used instead of "economy" to match the plural form. This is because the sentence is referring to multiple emerging economies that experienced financial crises.

Corrected sentence: "The G20 was created in response to the financial crises that arose in a number of emerging economies."

S16. Ans.(b)

Sol. Constitution is a frame based on which laws of a country are formulated. Therefore, the correct word for the blank is 'foundation'.

(a) hypothesis: a supposition or proposed explanation made on the basis of limited evidence as a starting point for further investigation.

(b) foundation: an underlying basis or principle.

(c) vicinity: the area near or surrounding a particular place.

(d) conspire: make secret plans jointly to commit an unlawful or harmful act.

(e) prestige: widespread respect and admiration felt for someone or something on the basis of a perception of their achievements or quality.

S17. Ans.(d)

Sol. The constitution formulates policy/directives for authorities and institutions that are assigned the task of its implementation. Therefore, the correct word for the blank is 'implementation'.

(a) delegation: a body of delegates or representatives; a deputation.

(b) perturbation: anxiety; mental uneasiness.

(c) rejuvenation: the action or process of giving new energy or vigour to something.

(d) implementation: the process of putting a decision or plan into effect; execution.

(e) proliferation: rapid increase in the number or amount of something.

S18. Ans.(a)

Sol. Basic eligibility criteria for appointment to several high constitutional offices are prescribed in the Constitution. Therefore, the correct word for the blank is 'prescribed'.

(a) prescribed: recommend (a substance or action) as something beneficial.

(b) surmounted: overcome (a difficulty or obstacle).

(c) accomplished: achieve or complete successfully.

(d) tweaked: twist or pull (something) sharply.

(e) overwhelmed: have a strong emotional effect on.

S19. Ans.(e)

Sol. Eligibility criteria are solely guided by the objective to maintain the constitution and the law and the integrity of the institution for which the functionary is chosen. Therefore, the correct word for the blank is 'upholding'.

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

(b) glorifying: describe or represent as admirable, especially unjustifiably.

(c) combating: take action to reduce or prevent (something bad or undesirable).

(d) expediting: make (an action or process) happen sooner or be accomplished more quickly.

(e) upholding: maintain (a custom or practice).

S20. Ans.(c)

Sol. Eligibility criteria are solely guided by the objective to maintain the constitution and the law and the integrity of the institution for which the functionary is chosen. Therefore, the correct word for the blank is 'integrity'.

(a) revolt: take violent action against an established government or ruler; rebel.

(b) manifest: show (a quality or feeling) by one's acts or appearance; demonstrate.

(c) integrity: the quality of being honest and having strong moral principles.

(d) prudence: the quality of being prudent; cautiousness.

(e) flaws: a mark, blemish, or other imperfection which mars a substance or object.

S21. Ans.(c)

Sol. Interpretation: the action of explaining the meaning of something.

Concentration: the amount of a substance

Alliance: the state of being allied or confederated

Negligence: failure to take proper care over something.

Finance: a term for matters regarding the management, creation, and study of money and investments

S22. Ans.(e)

Sol. Bleak: charmless and inhospitable; dreary.

Confront: come face to face with

Balance: A state in which opposing forces harmonize; equilibrium

Cancel: decide or announce that (a planned event) will not take place.

Enhance: increase

S23. Ans.(d)

Sol. Jarring: causing a physical shock, jolt, or vibration.

Tumble: to know or guess that something is going to happen in the future; to understand or become aware of

Harmonizing: add notes to (a melody) to produce harmony.

Wearing: to gradually disappear or to cause (something) to gradually disappear

Gaining: obtain or secure

The definition of tumbling that somehow completes the context in the blank is, however, an intransitive word, The blank requires a transitive word as the verb is associated with the direct object, "inflation".

S24. Ans.(a)

Sol. Ordeal: a severe or trying experience

Vengeance: punishment inflicted or retribution exacted for an injury or wrong.

Privatization: moving something from the public sector into the private sector.

Determination: the quality of being determined; firmness of purpose.

Entrance: an opening, such as a door, passage

S25. Ans.(b)

Sol. Exclamation: to know or guess that something is going to happen in the future.

Significance: the quality of being worthy of attention; importance.

Clarification: the action of making a statement or situation less confused and more comprehensible.

Subjugation: the action of bringing someone or something under domination or control.

Indication: to know or guess that something is going to happen in the future.

S26. Ans.(b)

Sol. The highlighted phrase has an error. We use base form of verb after 'do/does/did'. We don't use 'that....or' and correct structure is 'whether....or'. Whether is used to express a doubt or choice between two possibilities. 'Either.....or' is used to indicate a choice between two options that have been mentioned.

S27. Ans.(c)

Sol. The highlighted phrase is incorrect. In direct narration, if we have reporting verb in the past tense and reported speech in the simple past tense then for reported speech in indirect narration, we use past perfect tense. Therefore, the correct replacement will be 'that he had auctioned'.

S28. Ans.(d)

Sol. The highlighted phrase is incorrect. 'Look for' means 'attempt to find someone or something'. 'Look after' is correct here which means 'take care of someone or something.' The subject is singular so verb should also be in singular form.

S29. Ans.(c)

Sol. The highlighted phrase is incorrect. 'Than' in the sentence shows that the sentence should be in comparative degree hence 'best' should be replaced with 'better'. Therefore, the correct replacement is 'the better way to get'.

S30. Ans.(e)

Sol. The highlighted phrase is correct and requires no replacement.

S31. Ans.(a)

Sol. Sentence B most appropriately lays the foundation for the topic, introducing oak trees and the type of leaves they bear. Then follows sentence D, as it starts a topic talked about by statements D, A and C, and best introduces it. Sentence D introduces the fruit of the oak tree. Statement A is next in the order as it further describes the basic characteristics of acorns and is the best continuation to statement D. The next sentences in the arrangement will be C, as it furthers the discussion by statements D and A. Statement E is the last sentence of the rearrangement as it gives a characteristic of the leaves as well as acorns. Thus, **BDACE** is the most appropriate and comprehensible rearrangement of the given statements.

S32. Ans.(e)

Sol. Sentence B most appropriately lays the foundation for the topic, introducing oak trees and the type of leaves they bear. Then follows sentence D, as it starts a topic talked about by statements D, A and C, and best introduces it. Sentence D introduces the fruit of the oak tree. Statement A is next in the order as it further describes the basic characteristics of acorns and is the best continuation to statement D. The next sentences in the arrangement will be C, as it furthers the discussion by statements D and A. Statement E is the last sentence of the rearrangement as it gives a characteristic of the leaves as well as acorns. Thus, **BDACE** is the most appropriate and comprehensible rearrangement of the given statements.

S33. Ans.(e)

Sol. Sentence B most appropriately lays the foundation for the topic, introducing oak trees and the type of leaves they bear. Then follows sentence D, as it starts a topic talked about by statements D, A and C, and best introduces it. Sentence D introduces the fruit of the oak tree. Statement A is next in the order and it further describes the basic characteristics of acorns and is the best continuation to statement D. The next sentences in the arrangement will be C, as it furthers the discussion by statements D and A. Statement E is the last sentence of the rearrangement as it gives a characteristic of the leaves as well as acorns. Thus, **BDACE** is the most appropriate and comprehensible rearrangement of the given statements.

S34. Ans.(c)

Sol. Sentence B most appropriately lays the foundation for the topic, introducing oak trees and the type of leaves they bear. Then follows sentence D, as it starts a topic talked about by statements D, A and C, and best introduces it. Sentence D introduces the fruit of the oak tree. Statement A is next in the order and it further describes the basic characteristics of acorns and is the best continuation to statement D. The next sentences in the arrangement will be C, as it furthers the discussion by statements D and A. Statement E is the last sentence of the rearrangement as it gives a characteristic of the leaves as well as acorns. Thus, **BDACE** is the most appropriate and comprehensible rearrangement of the given statements.

S35. Ans.(d)

Sol. Sentence B most appropriately lays the foundation for the topic, introducing oak trees and the type of leaves they bear. Then follows sentence D, as it starts a topic talked about by statements D, A and C, and best introduces it. Sentence D introduces the fruit of the oak tree. Statement A is next in the order and it further describes the basic characteristics of acorns and is the best continuation to statement D. The next sentences in the arrangement will be C, as it furthers the discussion by statements D and A. Statement E is the last sentence of the rearrangement as it gives a characteristic of the leaves as well as acorns. Thus, **BDACE** is the most appropriate and comprehensible rearrangement of the given statements.

S36. Ans.(c)

Sol. The correct rearrangement of the given phases is **CBDA**. After rearrangement the sentence will be, "That Ayurveda treatments are slow to heal is a common view that characterises the public image of Ayurveda."

S37. Ans.(a)

Sol. The correct rearrangement of the given phases is **CBDA**. After rearrangement the sentence will be, "Every year, thousands of turtles come ashore from the Bay of Bengal for a mass nesting season."

S38. Ans.(e)

Sol. 'Insane' means 'in a state of mind which prevents normal perception, behaviour, or social interaction; seriously mentally ill' and its usage is correct in **statements (I) and (II)**.

The word "insane" is an adjective that means mentally deranged, irrational, or extremely foolish. Let's analyse each sentence:

(I) Dogs have an insane habit of chasing cars in the streets.

This sentence uses "insane" correctly to describe the dogs' habit as irrational or foolish.

(II) So much syllabus of the exam will drive me insane.

This sentence uses "insane" correctly to describe feeling mentally deranged or extremely frustrated due to the large amount of syllabus.

(III) Plants need insane sunlight for the photosynthesis process.

This sentence uses "insane" incorrectly. It does not make sense to describe sunlight as mentally deranged or irrational. A better word to use here would be "abundant" or "ample."

S39. Ans.(d)

Sol. 'Chaos' means 'complete disorder and confusion' and its usage is correct both in statement (I) and (II).

The word "chaos" is a noun that refers to a state of complete disorder or confusion. Let's analyse each sentence:

(I) I will meet you before the chaos of the city.

This sentence uses "chaos" correctly to describe the disorder or confusion that exists in the city.

(II) Plundering in the safest bank has caused chaos throughout the city.

This sentence uses "chaos" correctly to describe the state of disorder or confusion caused by the plundering in the safest bank.

(III) The government should provide free education for chaos in the country.

This sentence uses "chaos" incorrectly. It does not make sense to provide free education for chaos. Instead, it should be "address" or "tackle" the chaos in the country.

So, the correct usage of "chaos" is in sentences (I) and (II), making option (d) the correct answer.

S40. Ans.(b)

Sol. 'Deceiving' means 'deliberately cause (someone) to believe something that is not true, especially for personal gain' and its usage is correct in **statements (I) and (III)**.

The word "deceiving" is a verb form of "deceive," which means to trick, mislead, or give a false impression. Let's analyse each sentence:

(I) Beggars have a habit of deceiving by pretending handicapped before people.

This sentence uses "deceiving" correctly as a verb form to describe the action of beggars tricking or misleading people by pretending to be handicapped.

(II) Inflation is the deceiving lack of supply in the market.

This sentence uses "deceiving" incorrectly. The word "deceiving" does not fit well in this context. A better word choice would be "deceptive" to describe the lack of supply in the market as misleading or giving a false impression.

(III) The company was deceiving customers by selling low-quality products.

This sentence uses "deceiving" correctly as a verb form to describe the action of the company tricking or misleading customers by selling low-quality products.

So, the correct usage of "deceiving" is in sentences (I) and (III), making option (b) the correct answer.

S41. Ans.(b)

Sol. Wrong number = 272

Pattern of series –

$$22 + 10 = 32$$

$$32 + 20 = 52$$

$$52 + 40 = 92$$

$$92 + 80 = 172$$

$$172 + 160 = 332$$

$$332 + 320 = 652$$

So, 332 should come in the place of 272

S42. Ans.(e)

Sol. Wrong number = 100080

Pattern of series –

$$5 \times 3 = 15$$

$$15 \times 4 = 60$$

$$60 \times 5 = 300$$

$$300 \times 6 = 1800$$

$$1800 \times 7 = 12600$$

$$12600 \times 8 = 100800$$

So, 100800 should come in the place of 100080

S43. Ans.(c)

Sol. Wrong number = 405

Pattern of series –

$$12 \times 3 = 36$$

$$36 \times 2.5 = 90$$

$$90 \times 2 = 180$$

$$180 \times 1.5 = 270$$

$$270 \times 1 = 270$$

$$270 \times 0.5 = 135$$

So, 270 should come in the place of 405

S44. Ans.(a)

Sol. Wrong number = 440

Pattern of series –

$$3 + (2^3 - 1) = 10$$

$$10 + (3^3 - 1) = 36$$

$$36 + (4^3 - 1) = 99$$

$$99 + (5^3 - 1) = 223$$

$$223 + (6^3 - 1) = 438$$

$$438 + (7^3 - 1) = 780$$

So, 438 should come in the place of 440

S45. Ans.(c)

Sol. Wrong number = 130

Pattern of series –

$$484 - 12^2 = 340$$

$$340 - 10^2 = 240$$

$$240 - 8^2 = 176$$

$$176 - 6^2 = 140$$

$$140 - 4^2 = 124$$

$$124 - 2^2 = 120$$

So, 140 should come in the place of 130

S46. Ans.(d)

Sol. 50% of 2300 - 32 + 33 = ?

$$? = 1151$$

S47. Ans.(c)

Sol. ? + 5 - 484 = 0

$$? = 479$$

S48. Ans.(c)

Sol. 485 - 1080 + 11 + ? = 0

$$? = 584$$

S49. Ans.(e)

Sol. 841 - 2197 + ? = 1116

$$? = 2472$$

S50. Ans.(a)

Sol. 272 + 98 + ? = 1444

$$? = 1074$$

S51. Ans.(a)

Sol. Total articles in all the five shops = 400+550+600+350+750=2650

Total sold articles = 250 +150+450+250+500=1600

Total unsold articles = 2650 - 1600 = 1050

Required ratio = 1050: (350+750) = 1050: 1100 = 21:22

S52. Ans.(e)

Sol. Total articles sold by shop A = 250

Defective articles sold by A = 40% of 250= 100

Required difference = (400 - 250) - 100 = 50

S53. Ans.(c)

Sol. Let the cost price and selling price of each article be $7x$ and $8x$ respectively.

$$\text{Marked price} = 7x \times \frac{9}{7} = 9x$$

ATQ,

$$9x - 8x = 12$$

$$x = 12$$

$$\text{Total profit} = 450 \times 12 = \text{Rs. } 5400$$

S54. Ans.(b)

$$\text{Sol. Required \%} = \frac{(600-450)}{(550-150)+(350-250)} \times 100 = 30\%$$

S55. Ans.(d)

$$\text{Sol. Total articles in all the five shops} = 400+550+600+350+750=2650$$

$$\text{Total sold articles} = 250 + 150 + 450 + 250 + 500 = 1600$$

$$\text{Total unsold articles} = 2650 - 1600 = 1050$$

$$\text{Required difference} = 1600 - 1050 = 550$$

S56. Ans.(a)

Sol. Profit sharing ratio of A, B & C

$$= 4500 \times 4 : 6000 \times 12 : \frac{1}{2} \times (4500 + 6000) \times 8$$

$$= 3 : 12 : 7$$

$$\text{Profit share of C} = \frac{1320}{22} \times 7 = \text{Rs. } 420$$

S57. Ans.(b)

$$\text{Sol. Juice in final mixture} = 100 \times \frac{80}{100} \times \frac{80}{100} \times \frac{80}{100} = 51.2 \text{ liters}$$

$$\text{Water} = 100 - 51.2 = 48.8 \text{ liters}$$

$$\text{Required percentage} = \frac{48.8}{100} \times 100 = 48.8\%$$

S58. Ans.(d)

Sol. Let length of the train and length of the platform be l meters and p meters respectively.

ATQ.

$$l + p = 180 \times \frac{5}{18} \times 18$$

$$l + p = 900 \dots (i)$$

ATQ,

$$\text{Length of the bridge} = 4p$$

$$l + 4p = 180 \times \frac{5}{18} \times 30 = 1500 \dots (ii)$$

From (i) and (ii)

$$p = 200 \text{ meters}$$

S59. Ans.(d)

Sol. Total present age of P, R & Q = 72 years

Total present age of Q & R = 56 years

$$\text{Present age of P} = 72 - 56 = 16 \text{ years}$$

$$\text{Present age of X} = 16 \times \frac{11}{8} + 2 = 24 \text{ years}$$

S60. Ans.(b)

Sol. Y and Z together can eat number of cookies in 1 hour = $\frac{76}{4+\frac{45}{60}} = 76 \times \frac{4}{19} = 16$

Z alone can eat number of cookies in 1 hour = $\frac{65}{6+\frac{30}{60}} = 65 \times \frac{2}{13} = 10$

Y alone can eat number of cookies in 1 hour = $16 - 10 = 6$

Required time = $\frac{25}{6} = 4$ hours 10 minutes

S61. Ans.(d)

Sol. Let marked price and selling price of an article be Rs. $11x$ and Rs. $7x$ respectively.

Cost price of an article = $\frac{7x}{140} \times 100 = 5x$

ATQ.

$$11x - 5x = 120$$

$$6x = 120 \Rightarrow x = 20$$

Cost price of the article = $5 \times 20 = \text{Rs. } 100$

S62. Ans.(a)

Sol. ATQ.

$$\frac{16 + T}{12 + T} = \frac{6}{5}$$

$$80 + 5T = 72 + 6T$$

$$T = 8$$

S63. Ans.(d)

Sol. ATQ,

$$1232 = \frac{Y \times 2 \times 8}{100}$$

$$Y = \text{Rs. } 7700$$

Composite compound interest for two years = $\left(10 + 10 + \frac{10 \times 10}{100}\right)\% = 21\%$

Required interest = $\frac{21}{100} \times 7700 = \text{Rs. } 1617$

S64. Ans.(a)

Sol. Side of square = $\frac{168}{4} = 42$ cm

Length of rectangle = $42 \times \frac{9}{7} = 54$ cm

Breadth of rectangle = $54 \times \frac{8}{9} = 48$ cm

Required area = $54 \times 48 = 2592 \text{ cm}^2$

S65. Ans.(a)

Sol. ATQ,

Actual time: new time = 4: 3

Uniform speed: new speed = 3: 4

Now,

Uniform speed = $\frac{22 \times 3}{1} = 66 \text{ km/hr}$

Required time = $\frac{528}{66} = 8$ hours

Solutions (66-70):

No. of male who reads only English newspaper = $40 \times 2 = 80$

No. of female who reads only English newspaper = $\frac{30}{25} \times 100 = 120$

Let males and females who read only Hindi newspaper be $7x$ and $9x$ respectively
So,

$$(120 + 9x) = \frac{140}{100}(80 + 7x)$$

$$600 + 45x = 560 + 49x$$

$$x = 10$$

No. of male who reads only Hindi newspaper = $7x = 70$

No. of female who reads only Hindi newspaper = $9x = 90$

No. of male who reads both (Hindi + English) newspaper = $40 - 30 = 10$

S66. Ans.(c)

Required no. of people = 160

S67. Ans.(c)

Sol. No. of female who reads Hindi newspaper = $90 + 30 = 120$

Required percentage = $\frac{80}{120} \times 100 = 66.67\%$

S68. Ans.(d)

Sol. required difference = $120 + 30 + 90 - 80 - 10 - 70 = 80$

S69. Ans.(a)

Sol. required ratio = 40:90

= 4:9

S70. Ans.(d)

Sol. required percentage = $\frac{120+30}{400} \times 100 = 37.5\%$

Solutions (71-75):

School	Boys	Girls	Total
A	$22 \times 28 = 616$	$1200 - 616 = 584$	$24 \times 50 = 1200$
B	$15 \times 28 = 420$	$750 - 420 = 330$	$15 \times 50 = 750$
C	$30 \times 28 = 840$	$1400 - 840 = 560$	$28 \times 50 = 1400$
D	$16 \times 28 = 448$	$600 - 448 = 152$	$12 \times 50 = 600$
E	$17 \times 28 = 476$	$1050 - 476 = 574$	$21 \times 50 = 1050$

S71. Ans.(e)

Sol. Total girls from school B and D together = $\frac{27}{100} \times 5000 - \frac{31}{100} \times 2800 = 482$

Required % = $\frac{482}{40 \times 50} \times 100 = 24.1\%$

S72. Ans.(e)

Sol. Required ratio = $(560 + 152) : (330 + 574)$
 $= 89 : 113$

S73. Ans.(e)

Sol. Total students in school B in year 2020 = $\frac{120}{100} \times 330 + \frac{6}{7} \times 420 = 756$

Required percentage = $\frac{756-600}{600} \times 100 = 26\%$

S74. Ans.(d)

Sol. Total boys who failed the exam from school A = $\frac{25}{1100} \times 616 = 14$

Total girls who failed the exam from school A = $12 \times 7 - 14 = 70$

Required% = $\frac{70}{560} \times 100 = 12.5 \%$

S75. Ans.(a)

Sol. Required average = $\frac{1}{3} \times \frac{(30+16+17)}{100} \times 2800 = 588$

S76. Ans.(e)

Sol. (i) $2x^2 - 12x + 16 = 0$

$$2x^2 - 8x - 4x + 16 = 0$$

$$2x(x - 4) - 4(x - 4) = 0$$

$$(x - 4)(2x - 4) = 0$$

$$x = 4, 2$$

$$(ii) 2y^2 - 20y + 48 = 0$$

$$2y^2 - 12y - 8y + 48 = 0$$

$$2y(y - 6) - 8(y - 6) = 0$$

$$(y - 6)(2y - 8) = 0$$

$$y = 4, 6$$

$$y \geq x$$

S77. Ans.(b)

Sol. (i) $x^2 - 3x - 40 = 0$

$$x^2 - 8x + 5x - 40 = 0$$

$$x(x - 8) + 5(x - 8) = 0$$

$$(x - 8)(x + 5) = 0$$

$$x = 8, -5$$

$$(ii) y^2 + 11y + 30 = 0$$

$$y^2 + 6y + 5y + 30 = 0$$

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

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

$$y = -6, -5$$

$$x \geq y$$

S78. Ans.(c)

Sol. (i) $2x^2 - x - 3 = 0$

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

$$2x(x + 1) - 3(x + 1) = 0$$

$$(x + 1)(2x - 3) = 0$$

$$x = \frac{3}{2}, -1$$

(ii) $2y^2 - 6y + 4 = 0$

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

$$2y(y - 1) - 4(y - 1) = 0$$

$$(y - 1)(2y - 4) = 0$$

$$y = 1, 2$$

No relation can be established between x and y.

S79. Ans.(c)

Sol. (i) $2x^2 + 14x - 16 = 0$

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

$$2x(x + 8) - 2(x + 8) = 0$$

$$(2x - 2)(x + 8) = 0$$

$$x = -8, 1$$

(ii) $y^2 - y - 12 = 0$

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

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

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

$$y = -3, 4$$

No relation can be established between x and y

S80. Ans.(a)

Sol. (i) $2x^2 - 9x + 10 = 0$

$$2x^2 - 5x - 4x + 10 = 0$$

$$x(2x - 5) - 2(2x - 5) = 0$$

$$(x - 2)(2x - 5) = 0$$

$$x = 2, 2.5$$

(ii) $4y^2 - 12y + 9 = 0$

$$4y^2 - 6y - 6y + 9 = 0$$

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

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

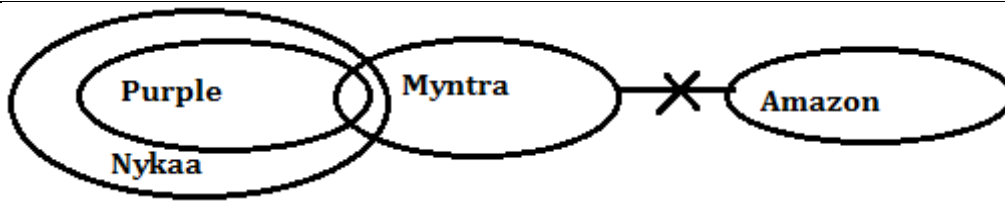
$$y = \frac{3}{2}$$

$$x > y$$

S81. Ans.(a)

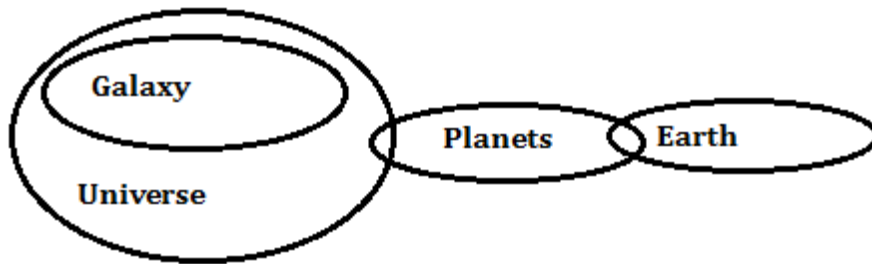
Sol. I. Follows- Some part of Purple which is Myntra can't be Amazon.

II. Doesn't follow- Some part of Purple is definitely not Myntra so all Nykaa can't be Myntra even in possibility.



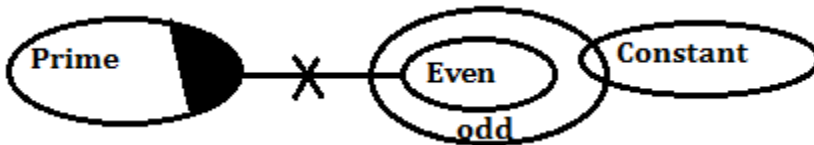
S82. Ans.(e)

Sol. I. Follows: Galaxy has relations with only Universe and with other elements its relation is restricted.
 II. Follows: No definite relation between the given elements so relation exist in possibility.



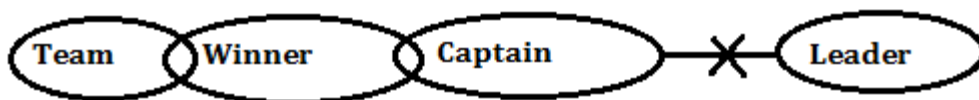
S83. Ans.(b)

Sol. I. Doesn't follow: No definite relation between the given elements so relation doesn't exist.
 II. Follows: Some part of Constant is definitely not odd so the relation exists.



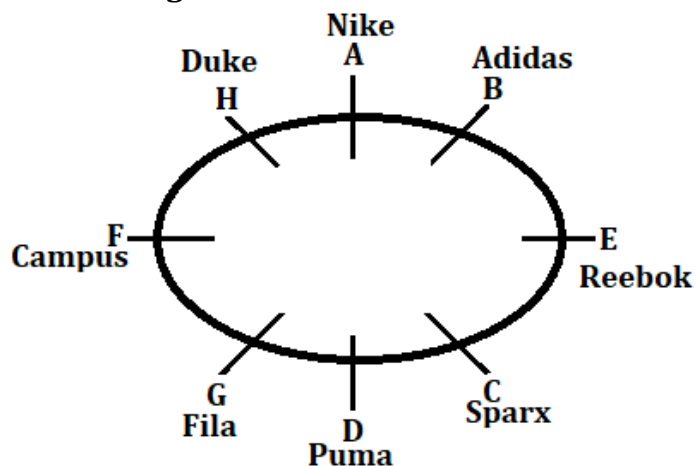
S84. Ans.(d)

Sol. I. Doesn't follow: No direct relation between Winner and Leader so definite relation doesn't exist.
 I. Doesn't follow: Some part of Winner which is Captain can't be Leader so relation doesn't exist.



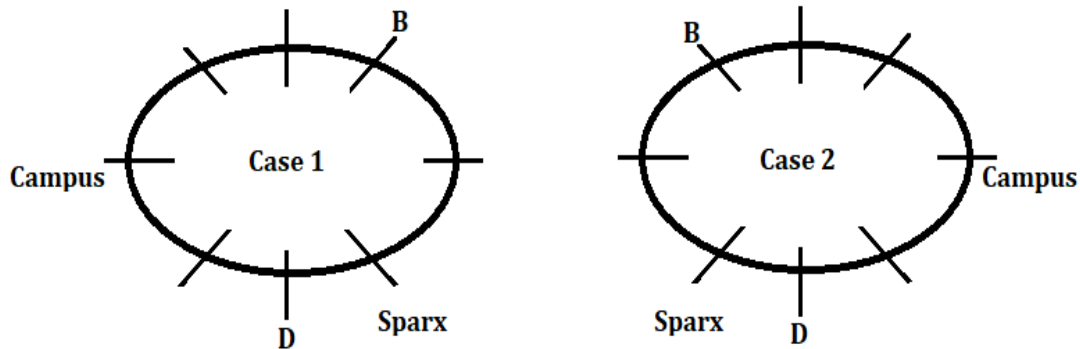
Solutions (85-89):

Final arrangement:



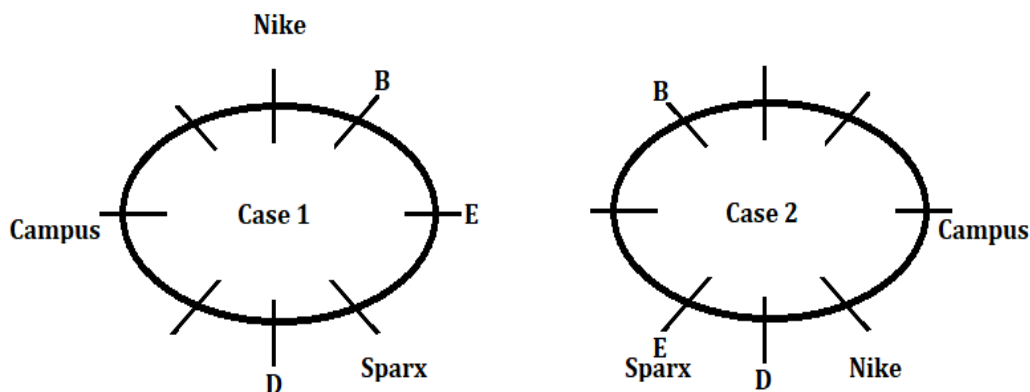
Clues: One person sits between D and the one who likes the shoes of Campus. Two persons sit between the one who likes the shoes of Campus and B. D and B do not sit adjacent to each other. One person sits between B and the one who likes the shoes of Sparx. The one who likes the shoes of Campus and Sparx shoes does not sit adjacent to each other.

Inference: From the above conditions there are two possibilities i.e., Case 1 and Case 2



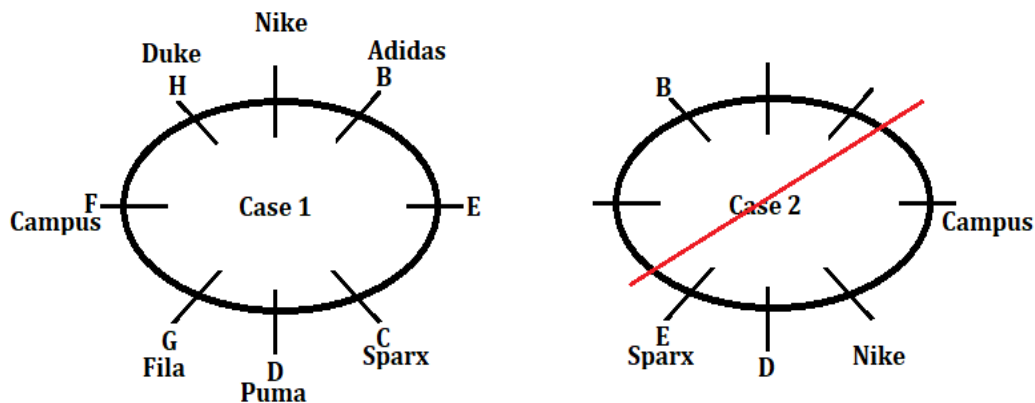
Clues: E sits second to the left of one who likes the shoes of Nike. E neither likes the shoes of Campus nor sits adjacent to it. B does not like the shoes of Nike. The one who likes the shoes of Sparx does not sit adjacent to Nike.

Inference: From the above conditions it is clear that E either sits adjacent to B in Case 1 or E likes the shoes of Sparx in Case 2

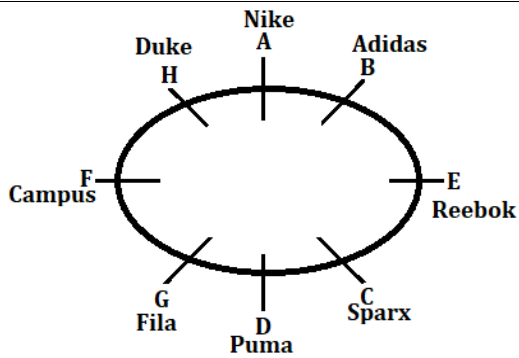


Clues: H sits third to the right of E and likes the shoes of Duke. G who likes the shoes of Fila sits opposite to the one who likes the shoes of Adidas. F neither likes the shoes of Sparx nor of Nike. C neither like the shoes of Nike nor E like the shoes of Puma.

Inference: From the above conditions Case 2 is cancelled here as there is no place H



Inference: From the above conditions it is clear that A likes the shoes of Nike and E likes the shoes of Reebok. So, the Final arrangement:



S85. Ans.(c)

Sol. The person who sits opposite A likes the shoes of Puma i.e., D.

S86. Ans.(d)

Sol. The person who likes the shoes of Puma sits second to the left of one who likes the shoes of Reebok

S87. Ans.(d)

Sol. F likes the shoes of Campus

S88. Ans.(d)

Sol. G sits third to the left of E

S89. Ans.(b)

Sol. The person who likes shoes of Reebok sits third to the right of G

S90. Ans.(b)

Sol. I. $T \geq Q$ (False) II. $N < S$ (True)

S91. Ans.(c)

Sol. I. $A < G$ (False) II. $H \leq A$ (False)

S92. Ans.(e)

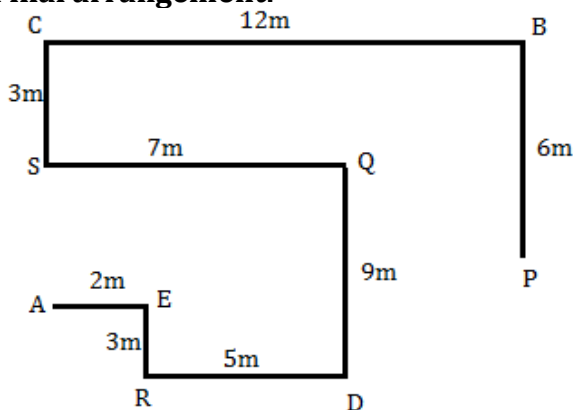
Sol. I. $R \leq X$ (True) II. $M > H$ (True)

S93. Ans.(b)

Sol. I. $M \leq O$ (False) II. $P < B$ (True)

Solutions (94-96):

Final arrangement:



S94. Ans.(d)

Sol. The second point is in the north-east of first point except in option (d).

S95. Ans.(b)

Sol. The shortest distance between point B and point D is 13m.

S96. Ans.(c)

Sol. $9\text{m} + 7\text{m} + 3\text{m} + 12\text{m} + 6\text{m} = 37\text{m}$

Solutions (97-101):

Step I: 1 is subtracted from the odd digits and 1 is added to even digits in the given numbers

Step II: Difference between the consecutive digits from the left end in each number

Step III: Numbers are arranged in descending order from left to right

Step IV: Two pair of digits are added then take the corresponding letter (for ex: $6532 = 6+5=11=K$, $3+2=5= E$)

Step V: Number corresponding to the highest place value letter as per the alphabetical order is taken between two pair of letters.

Input: 48796 82459 63894 38592 73546

Step I: 59687 93548 72985 29483 62457

Step II: 4321 6214 5713 7545 4212

Step III: 7545 6214 5713 4321 4212

Step IV: LI HE LD GC FC

Step V: 12 8 12 7 6

S97. Ans.(c)

Sol. $5713 + 6214 = 11927$

S98. Ans.(b)

Sol. $93548 - 8 = 93540$

S99. Ans.(d)

Sol. 4th letter from the left end is E

6th letter from the right end is L

Six letters between E and L=E (F, G, H, I, J, K) L

S100. Ans.(e)

Sol. 5713 is second to the left of fifth number from left end in step III.

S101. Ans.(c)

Sol. $7545 = 7 \times 5 \times 4 \times 5 = 700$

S102. Ans.(e)

Sol. From I and II together, N attends the lecture of Computer.

Days	Students	Subjects
Monday	N	Computer
Tuesday	C	Hindi
Wednesday	L	Physics
Thursday	G	English
Friday	U	Math

S103. Ans.(a)

Sol. From I, we get that A is in north-east of Q.

S104. Ans.(c)

Sol. Given series: A W # E \$ T U & % L B @ Z β E C ® X © ¥ I B Ω R O ∞ F E

Symbol 5th from the right end is ®

Element 6th to the left of ® is B

S105. Ans.(d)

Sol. Given series: A W # E \$ T U & % L B @ Z β E C ® X © ¥ I B Ω R O ∞ F E

After arrangement: W # \$ T & % L **B @ Z β C ® X © ¥ B Ω R ∞ F**

S106. Ans.(b)

Sol. Given series: A W # E \$ T U & % L B @ Z β E C ® X © ¥ I B Ω R O ∞ F E

After arrangement: A W # E \$ T **U & % L B @ Z** E F ∞ O R Ω B I ¥ © X ® C E β

S107. Ans.(a)

Sol. Given series: A W # E \$ T U & % L B @ Z β E C ® X © ¥ I B Ω R O ∞ F E

A W # E \$ **T U & % L B @ Z β E C ® X © ¥ I B Ω R O ∞ F E**

S108. Ans.(e)

Sol. Given series: A W # E \$ T U & % L B @ Z β E C ® X © ¥ I B Ω R O ∞ F E

A W # **E \$ T U & % L B @ Z β E C ® X © ¥ I B Ω R O ∞ F E**

E(5) + L(12) + C(3)=20

S109. Ans.(e)

Sol.

**S110. Ans.(c)**

Sol. The number after subtracting 1 from each even digit and after adding 2 in each odd digit – 535175937

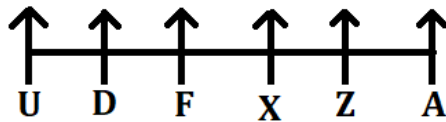
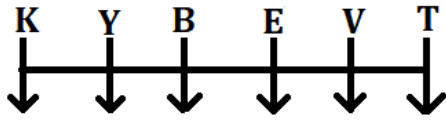
4th digit from the left end is 1

4th digit from the right end is 5

Product of both the numbers = 5*1 = 5

Solutions (111-115):

Final arrangement:

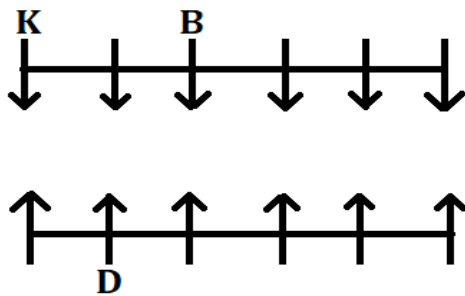


Explanation:

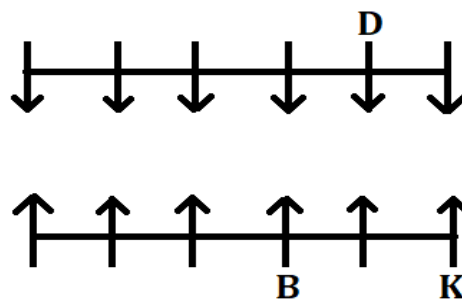
Clues: D faces the one who sits immediately left of K. Either D or K sits at one of the ends. More than two persons sit to the right of D. B sits second to the left of K.

Inference: From the above condition there are two possibilities i.e., Case 1 and Case 2

Case 1



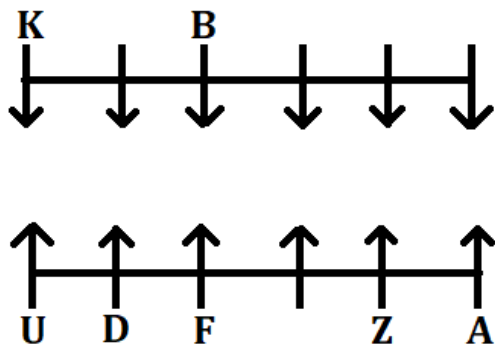
Case 2



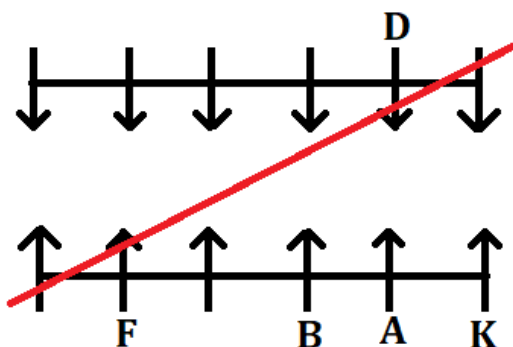
Clues: F sits three persons away to the left of A. F neither sit at an end nor in row 1. Three persons sit between the one who sits immediately right of both U and Z. U and K do not sit adjacent to each other. Z neither sit at any end nor adjacent to B. U doesn't face south direction.

Inference: From the above conditions Case 2 is cancelled here as there is no place for Z.

Case 1



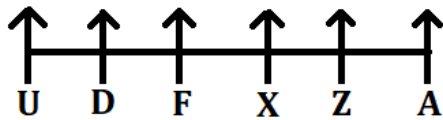
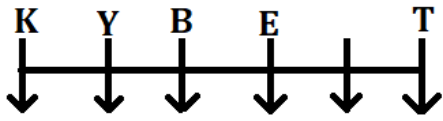
Case 2



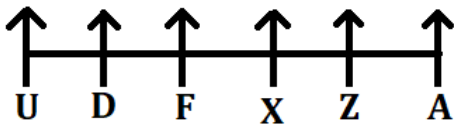
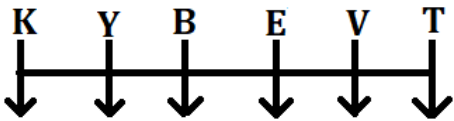
Clues: As many persons sit to the left of Y as to the right of D. Number of persons sit between U and X is same as the number of persons sit between B and T. T and E do not sit adjacent to each other.

Inference: From the above conditions it is clear that E sits immediately left of B.

Case 1



Inference: Only one person remains i.e., V. So, Final arrangement:



S111. Ans.(b)

Sol. Two persons sit between B and T

S112. Ans.(a)

Sol. D sits immediately right of U.

S113. Ans.(c)

Sol. T sits at the left end in row 1.

S114. Ans.(d)

Sol. Four persons sit to the right of V.

S115. Ans.(e)

Sol. Three

S116. Ans.(c)

Sol.

+2

GIK

CEH

MOR

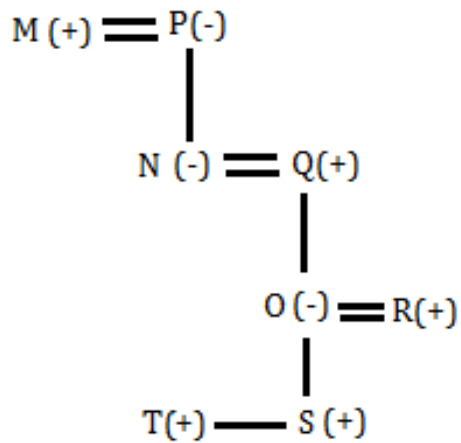
TVY

U

+3

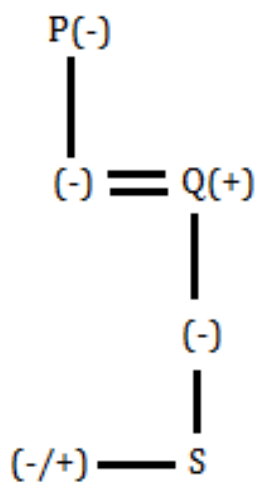
Solutions (117-119):

Final arrangement:



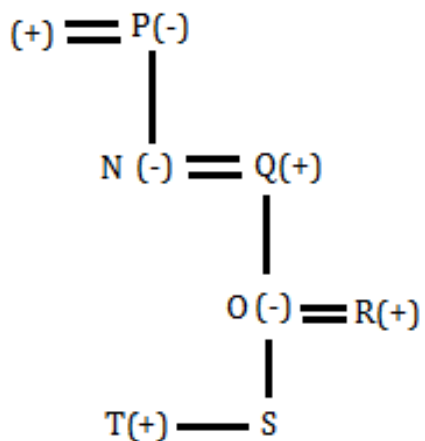
Clues: Q is the maternal grandfather of S who has only one sibling. P is the mother-in-law of Q.

Inference: We have the following arrangement:



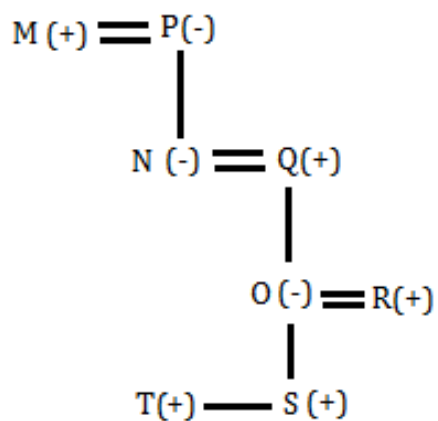
Clues: R is the father of T who is the grandson of Q. Q has only one child. O is N's only daughter. N is the only child of P's spouse.

Inference: We have the following arrangement:



Clues: The gender of M and S is same.

Inference: This means M is P's spouse and S is the son of O. Thus, the final arrangement is:



S117. Ans.(c)

Sol. The ratio of male to female members is 5:3.

S118. Ans.(b)

Sol. M is the father-in-law of Q.

S119. Ans.(d)

Sol. Both T and S are grandchildren of N.

S120. Ans.(c)

Sol. Given word-RHOMBUS

After arrangement- USROMHB

The third letter from the right end is M

The second letter to the left of M is R