

STAFF SELECTION COMMISSION
Multi Tasking (Non-Technical) Staff

SOLVED PAPER

(12th May 2023: Shift-1)

Time Allotted- 90 Minutes

Max marks- 270

Important Instructions:-

- ⇒ This paper contains 90 questions which are divided into 4 sections and 2 sections each has 20 questions each and other 2 has 25 questions each.
 - ✓ General English
 - ✓ Numerical Aptitude
 - ✓ General Intelligence & Reasoning
 - ✓ General Awareness
- ⇒ There will be 3 marks for each correct answer and also there is no negative marking in General Intelligence & Reasoning and Numerical Aptitude sections. But in the General Awareness & General English sections, there is a negative marking of one mark for each wrong answer.
- ⇒ Each question is compulsory to attempt and there will be no negative marking for unattempted questions.

General English

1. Select the most appropriate option to substitute the bracketed segment in the given sentence. If there is no need to substitute it, select 'no substitution required'.
The unit twitched like a bird (preening it's plumage and becomes motionless).
 1. preening its plumage and became motionless
 2. no substitution required
 3. preening it's plumage while becoming motionless
 4. to preen it's plumage and becomes motionless
2. Choose the sentence with no spelling error.
 1. Protest is also a saffety valve.
 2. Protest is also a safety valvve.
 3. Protast is also a safety valve.
 4. Protest is also a safety valve.
3. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
That movie is so sad; the ending always makes me bawling.
 1. makes me bawled
 2. no improvement
 3. makes me bawl
 4. made me bawl
4. Select the most appropriate synonym to substitute the bracketed word in the given sentence.
In the twentieth century, many (radical) intellectuals embraced the mass media.
 1. sabbatical
 2. egotistical
 3. sceptical
 4. fanatical
5. Select the most appropriate option to fill in the blank.
Police used _____ evidence to convict a victim who was innocent.
 1. stunted
 2. fabricated
 3. hateful
 4. authentic
6. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
Restoring soil health would effects of climate change.
 1. help at mitigate the
 2. effects of climate change.
 3. restoring soil health would
 4. no error
7. Select the most appropriate option to fill in the blank.
Wheat is widely _____ but the output is not large.
 1. gross
 2. grilled
 3. grown
 4. groan
8. Choose the word that can substitute the given group of words.
The young of a frog
 1. Kitten
 2. Pup
 3. Tadpole
 4. Antelope
9. Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.
It is the most effecting means of mass communication.
 1. a most effecting
 2. a most effectives
 3. the most effectively
 4. no improvement
10. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
Adding aloe vera gel will prevent the hand sanitizer of drying out your skin.
 1. No error
 2. Drying out your skin.
 3. Will prevent the hand sanitizer of
 4. Adding aloe vera gel
11. Select the most appropriate antonym of the given word.
Viscous
 1. Grim
 2. Brutal
 3. Watery
 4. Thick
12. Select the appropriate synonym for the underlined word.
Make sure that you always challenge yourself.
 1. Carry
 2. Brutal
 3. Question
 4. Place
13. Select the most appropriate word for the given group of words.
Tending to associate with others of one's kind
 1. Pedantic
 2. Pungent
 3. Gregarious
 4. Venial
14. Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.
In my opinion, you should went for higher studies in London.
 1. no error
 2. in my opinion,
 3. you should went for
 4. higher studies in London.
15. A sentence has been given with a blank to be filled with an appropriate option. Choose the correct alternative.
The person driving the car _____ control over the wheels and knocked her down.
 1. lose
 2. lost
 3. losing
 4. loose
16. In the following question, out of the given four alternatives, select the alternative which best expresses the meaning of the idiom phrase.
A blind spot
 1. A person who is blind
 2. A person with no emotional feelings
 3. A situation where no progress is made
 4. An area in your range of vision that you cannot see properly

17. Fill in the blank with the most appropriate choice.
His intent was to become sole lord and to _____ his tiny principality.
1. subsidize
 2. aggrandize
 3. jeopardize
 4. methodize
18. Select the appropriate antonym for the underlined word.
The arms and legs lay in a careless way.
1. Vigilant
 2. Unsafe
 3. Forgetful
 4. Neglectful
19. Choose the incorrectly spelt word.
1. Tihgt
 2. Locker
 3. Rift
 4. Stock
20. Select the most appropriate meaning of the given idiom.
Get down to brass tacks
1. To become serious about something
 2. Get fired from the job
 3. Compromise, cooperation between people
 4. To be ready

Comprehension:

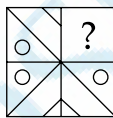
In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each number.

Salvador Dali (1) _____ a prominent Spanish surrealist painter (2) _____ in Figueres, Catalonia, on 11 May 1904. Dali's father was strict in the education of his children unlike (3) _____ mother. Dali had a brother named Salvador (4) _____ was born nine months before him and died of gastroenteritis. When he was five. Dali was taken to his brother's grave and was told that he was his brother's (5) _____.

21. Select the most appropriate option to fill in the blank No. 1.
 1. was
 2. were
 3. has
 4. is
22. Select the most appropriate option to fill in the blank No. 2.
 1. rooted
 2. bought
 3. brought
 4. born
23. Select the most appropriate option to fill in the blank No. 3.
 1. their
 2. him
 3. her
 4. his
24. Select the most appropriate option to fill in the blank No. 4.
 1. whose
 2. who
 3. whom
 4. that
25. Select the most appropriate option to fill in the blank No. 5.
 1. ordination
 2. detonation
 3. reincarnation
 4. stagnation

General Intelligence & Reasoning

26. Which answer figure will complete the pattern in the question figure?



- 1.
- 2.
- 3.
- 4.

27. Seven boys Ram, Sumit, Sunil, Rahul, Raj, Aman and Amit are sitting around a circular table facing towards the centre (not necessarily in the same order). Raj is second to the right of Aman. Sunil is third to the left of Aman. Ram is not the immediate neighbour of Aman. Amit is second to the right of Ram. Rahul is not the immediate neighbour of Amit. Who is third to the left of Sumit?
1. Rahul
 2. Raj
 3. Sunil
 4. Ram

28. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
LAGB, NDIE, PGKH, RJMK, ?
1. TMON
 2. TMOM
 3. TMNO
 4. TNON

29. In a certain code language, 'He is my nephew' is coded as 'Co Pv Zs Mn'. 'That is my car' is coded as 'Zs Pt Pv Ga'. 'He is your uncle' is coded as 'Co Pv Ex Yz'. What is the code for 'nephew' in this code language?
1. Co
 2. Mn
 3. Zs
 4. Pv

30. In the following question below are given some statements followed by some conclusions based on those statements.

Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

- I. All Z are Y.
- II. Some Y are B.

Conclusion:

- I. Some B are not Z.
 - II. Some Y are not Z.
 - III. Some Z are Y
1. Both conclusions II and III follows
 2. Both conclusions I and III follows
 3. Only conclusion III follows
 4. All conclusion follows
31. Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term is related to third term.
PRAY : UWFD :: MONK : RTSP :: FAIT : ?
1. KEMY
 2. KFNy
 3. KENY
 4. KFMY
32. Speed of five cars C1, C2, C3, C4 and C5 are compared. Speed of C1 is more than only one car. Speed of C5 is more than four cars. Speed of C4 is more than C1 but less than C3 and C5. Speed of how many cars is less than the speed of C3?
1. 0
 2. 1
 3. 3
 4. 2
33. In a certain code language, 'ACCENT' is coded as 'CCATNE'. What is the code for "VENDOR" in that code language?
1. VENROD
 2. NVENDOR
 3. NEVROD
 4. NEVORD
34. By Interchanging the given two numbers which of the following equation will be correct?

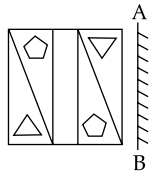
1 and 6

I. $7 - 5 + 1 \times 3 \div 6 = 20$

II. $1 \times 7 + 6 - 4 \div 2 = 40$

1. Only I
 2. Neither I nor II
 3. Both I and II
 4. Only II
35. Select the option in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13-Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)
- (8, 27, 125)
- (64, 1331, 1728)
1. (289, 212, 196)
 2. (200, 215, 256)
 3. (125, 172, 144)
 4. (216, 343, 512)

36. If a mirror is placed on the line AB, then out of the option figures which figure will be the right image of the question figure?



1. 3.
2. 4.

37. Words given on the left side of (::) are related with each other by some Logic/Rule/Relation. Select the missing word/word pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation.

Electric Current : Ampere :: ?

1. Temperature : Watt 3. Resistance : Seconds
2. Joule : Work 4. Force : Newton

38. In the following question, select the missing number of the given series.

342, 365, 388, ?, 434, 457

1. 430 2. 411 3. 425 4. 435

39. In a certain code language, 'APPLE' is written as '25' and 'JUNIOR' is written as '36'. How will 'PACKAGE' be written in that language?

1. 81 2. 36 3. 49 4. 64

40. By Interchanging which two signs the equation will be correct?

$15 + 5 \div 2 - 9 \times 3 = 22$

1. + and - 2. \times and \div 3. \times and - 4. \div and +

41. Select the option that is related to the fifth number in the same way as the second number is related to the first number and fourth number is related to third number.

$7 : 36 :: 16 : 225 : 21 : ?$

1. 400 2. 385 3. 441 4. 395

42. In the following question below are given some statements followed by some conclusions based on those statements.

Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

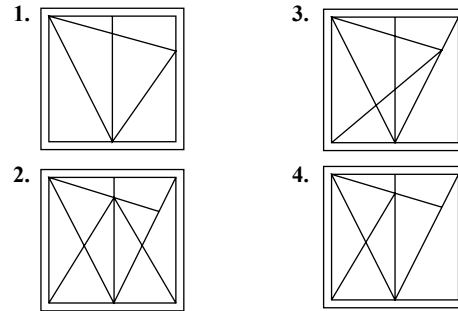
Statements:

- I. All H are G.
II. Some G are I.

Conclusion:

- I. No I are H.
II. All I are G.
1. Only conclusion II follows
2. Both conclusions I and II follows
3. Only conclusion I follows
4. Neither conclusion I nor II follows

43. Select the option figure in which the given figure is embedded. (rotation is NOT allowed)



44. Seven boys J, K, L, M, N, P and Q are sitting around a circular table facing towards the centre (not necessarily in the same order). P is second to the right of Q. M is the immediate neighbour of both J and Q. L is not the immediate neighbour of Q. N is second to the right of P. Who is to the immediate left of L?

1. M 2. P 3. J 4. N

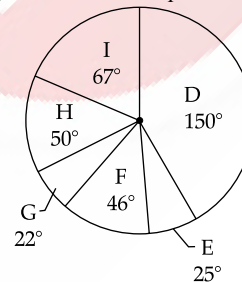
45. In the following question, select the missing number of the given series.

108, 129, 104, ?, 100, 137, 96

1. 138 2. 135 3. 133 4. 140

Numerical Aptitude

46. What is the LCM of 15 and 25?
1. 25 2. 105 3. 75 4. 125
47. The pie chart given below shows the number of trucks manufactured by Six companies in a year. Total trucks manufactured by all these Six companies are 1800. Number of trucks manufactured by a particular company is shown in terms of degree with respect to the total number of trucks manufactured by all these Six companies.



Number of trucks manufactured by D and F together is what percent of the number of trucks manufactured by G and I together?

1. 140.2 percent 3. 260.4 percent
2. 220.2 percent 4. 234.3 percent

48. If two mixers and one T.V cost Rs. 700. While two T.Vs and one mixer cost Rs. 980. The value of one T.V is:

1. Rs. 420 2. Rs. 400 3. Rs. 450 4. Rs. 480

49. If $(7x + y) : (7x - y) = 7 : 3$, then what is the value of $x : y$?

1. 4 : 3 2. 5 : 14 3. 15 : 6 4. 6 : 15

50. The ratio of the speed of Aman, Kamal and Manan is 2 : 3 : 4 respectively. What is the ratio of the time taken by Aman, Kamal and Manan respectively to cover the same distance?

1. 4 : 3 : 2 2. 2 : 3 : 4 3. 6 : 4 : 3 4. 8 : 9 : 16

51. If both length and breadth of a cuboid is increased by 50 percent, then by how much percent its height should be reduced so that its volume remains same?

1. 62.34 percent 3. 37.25 percent
2. 55.55 percent 4. 48.75 percent

52. A, B and C are Accountants. A alone can file a return in 6 hours and B alone can file the same return in 10 hours. All three together can do it in 3 hours. In what time will C alone file the same return?
1. 15 hours 2. 4 hours 3. 7 hours 4. 8 hours
53. The average of p, q, r and s is 30. If the average of p and q is 12, then what will be the average of r and s?
1. 50 2. 52 3. 48 4. 56
54. M alone can complete a work in 50 days and N alone can complete the same work in 100 days. If both of them work together, then in 25 days what percent work of the total work will be completed?
1. 60 percent 3. 75 percent
2. 55 percent 4. 80 percent
55. A saves 18% of his income. If his income increases by 41% and still saves the same amount. Find the percentage increase in his expenditure.
1. 60% 2. 35% 3. 50% 4. 40%
56. If the surface area of two spheres is in the ratio 81 : 25, then what is the ratio of their radius.
1. 5 : 8 2. 7 : 9 3. 5 : 7 4. 9 : 5
57. The difference between compound interest and simple interest on a sum of Rs. 16,000 for two years is Rs. 160. Find the per annum rate of interest.
1. 12% 2. 10% 3. 11% 4. 15%
58. What is the value of $28 \times 25 \div 7 \times 15 + 63 \times 56 \div 72 \times 5 + 24 \times 7 + 8$?
1. 2101 2. 1821 3. 1921 4. 1901
59. A bus covers a distance of 45 km in 45 minutes. If its speed is decreased by 20 km/hr, then what will be the time taken by it to cover the same distance?
1. 62.5 minutes 3. 78.5 minutes
2. 67.5 minutes 4. 72.5 minutes
60. A man earns a profit of 45 percent by selling a bike for a certain price. If he sells that bike at double the price, then what will be the profit percentage?
1. 80 percent 3. 90 percent
2. 180 percent 4. 190 percent
61. A man takes 6 hours to go to a place and come back by walking both the ways. He could have saved 2 hours by riding both the ways. The distance covered in the whole journey is 20 miles. What is the average speed for the whole journey if he goes by walking and comes back by riding?
1. 8 miles/h 3. 6 miles/h
2. 5 miles/h 4. 4 miles/h
62. What is the HCF of two prime numbers and Y?
1. 1 2. 2 3. Y 4. X
63. Jaya invested Rs. 14800 at 8.5% per annum on simple interest. The interest earned after 6 months is:
1. Rs. 642 2. Rs. 598 3. Rs. 629 4. Rs. 580
64. The table given below shows the marked price and the value of discount of five different articles.

Article	Marked price	Discount
A	Rs. 350	Rs. 70
B	Rs. 650	Rs. 75
C	Rs. 450	Rs. 66
D	Rs. 750	Rs. 72
E	Rs. 850	Rs. 80

Selling price = Marked price – Discount

L1 = The value of average of discount of article C and D.

L2 = Sum of the selling price of all articles.

What is the value of (L1 + L2)?

1. 2756 2. 2687 3. 2816 4. 2618
65. Marked price of a computer is Rs. 10000. Selling price of computer is Rs. 7650. If two successive discounts of 15 percent and x percent are given, then what is the value of x?
1. 5 percent 3. 10 percent
2. 15 percent 4. 20 percent

General Awareness

66. 25% of the land revenue collected by Marathas in the Deccan was called _____.
1. Bhoga 3. Chauth
2. Sardeshmukhi 4. Bhaga
67. 'The Race of My Life' is an autobiography of famous Indian athlete _____.
1. Milkha Singh 3. Sania Mirza
2. Yuvraj Singh 4. Kapil Dev
68. Fungi can grow on which of the following items?
I. Bread
II. Pickles
III. Leather
IV. Clothes
Select the correct option.
1. I and III 3. I, II, III and IV
2. I and II 4. I, II and III
69. In August 2022, Prime Minister of India inaugurated Homi Bhabha Cancer Hospital in _____.
1. Mohali 3. Pune
2. Chennai 4. New Delhi
70. Which among the following is an agricultural festival of Arunachal Pradesh and celebrated by the Galo tribe?
1. Losar 2. Ugadi 3. Karma 4. Mopin
71. The Xinjiang region, which was seen in the news due to the collapse of a gold mine, is located in which country?
1. South Korea 3. Japan
2. North Korea 4. China
72. Gair dance is performed by the _____ community of Rajasthan.
1. Bhil 2. Gond 3. Jat 4. Gujjar
73. For which offence can the police arrest any person without a court order?
1. Cognizable offences 3. Non-cognizable crimes
2. Detention offences 4. Cross offences
74. "Eskimos" are associated with which geographical region?
1. Arid Region 3. Savanna Grassland
2. Polar Region 4. Tropical Rainforest Region
75. According to the Ashokan Inscription which of the following was NOT a provincial centre in Magadha Empire?
1. Tosali 3. Taxila
2. Ujjayini 4. Indraprastha
76. Ilyas Khan was born in Lucknow to a family of musicians. He was famous for playing _____.
1. Tabla 3. Veena
2. Sitar 4. Mridangam
77. "Magnus Carlsen" is associated with which of the following games?
1. Boxing 3. Chess
2. Golf 4. Table Tennis
78. According to the World Bank classification 2020-2021, India belongs to the category of _____.
1. upper-middle income country
2. low-income country
3. lower-middle income country
4. high-income country

79. Which country hosted the 1982 edition of the Asian Games?
1. India 2. China 3. Qatar 4. Pakistan
80. In the 18th century, the development of cotton industries in Britain resulted in _____.
1. Increase in demand of Indian textile in Britain
2. Decline of textiles production in India
3. Increase in demand of Indian textile in India
4. Decline of British textiles industries in India
81. The normal temperature of the human body is _____.
1. 31° C 2. 34° C 3. 32° C 4. 37° C
82. How many biosphere reserves are there in India?
1. Sixteen 3. Nineteen
2. Eighteen 4. Seventeen
83. The Temple at Khajuraho were built during which dynasty?
1. Maurya dynasty 3. Nanda dynasty
2. Chandella dynasty 4. Vijayanagara dynasty
84. As per Budget 2023-24, how much comes from corporation tax for every 1 Rupee receipt of the government?
1. 4 paisa 2. 15 paisa 3. 17 paisa 4. 7 paisa
85. In which type of farming, the land is used for growing food and fodder crops and rearing livestock?
1. Dairy farming 3. Mixed farming
2. Plantation farming 4. Commercial farming
86. Which of the following is NOT one of the three major types of rocks?
1. Magnetic Rocks 3. Sedimentary Rocks
2. Metamorphic Rocks 4. Igneous Rocks
87. Karagam Folk Dance is associated with which state?
1. Tamil Nadu 2. Rajasthan 3. Assam 4. Haryana
88. The cells having well-organized nucleus with a nuclear membrane are designated as _____.
1. cheek cells 3. eukaryotic cells
2. autokaryotic cells 4. prokaryotic cells
89. In the Preamble of the Indian Constitution, _____ assures the dignity of the individual.
1. liberty 2. fraternity 3. equality 4. justice
90. First session of Indian National congress held in
1. Calcutta 2. Surat 3. Bombay 4. Lahore

Answer Key

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

Answers with Explanations

1. **Option (1) is correct.**
The correct sentence is: The unit twitched like a bird preening its plumage and became motionless. The part 'preening its plumage and became motionless' is correct. This is so because the sentence is in past tense, (twitched), so 'became' is the correct form of verb.
2. **Option (4) is correct.**
The correct sentence is: Protest is also a safety valve. Option (1), (2) and (3) have errors in words like 'protest', 'safety' and 'valve'.
3. **Option (3) is correct.**
The correct sentence is: The movie is so sad; the ending always makes me bawl. The verb 'bawl' will take its base form because the verb in the first clause is simple present 'is'. The use of 'always' makes the sentence a habitual truth, so the use of simple present tense is mandated.
4. **Option (4) is correct.**
The word 'radical' means 'a person who holds or follows strong convictions or extreme principles'. In other words, 'fanatical' is the exact synonym. 'Sabbatical' is a rest or break from work. Egotistical means considering yourself to be better or more important than other people. While 'sceptical' means 'doubting that something is true or useful'.
5. **Option (2) is correct.**
The correct sentence is: Police used fabricated evidence to convict a victim who was innocent. 'Fabricated' means 'to invent or produce something in order to deceive:' here, police is alleged to have invented evidence to convict a victim who was innocent.
6. **Option (1) is correct.**
The correct sentence is: Restoring soil health would help mitigate the effects of climate change. It is to be noted that the correct structure is: 'help (to) do something', instead of 'help (at) do something'.
7. **Option (3) is correct.**
The correct sentence is: Wheat is widely grown, but the output is not large. The verb 'grown' suits the idea of a crop.
8. **Option (3) is correct.**
The correct sentence is: The young one of a frog is known as a tadpole; the young one of a cat is known as a kitten; the young one of a dog is known as a pup. An antelope is one of many horned herbivorous deer-like species with even-toed hooves.
9. **Option (4) is correct.**
The correct sentence is: It is the most effective means of mass communication. The superlative adjective 'most effective' suits the context of the sentence. Thus, no improvement is required.
10. **Option (3) is correct.**
The correct sentence is: Adding aloe vera gel will prevent the hand sanitizer from drying out. The part 'will prevent the hand sanitizer from' will replace 'will prevent the hand sanitizer of'. The verb 'prevent' takes 'from' after it, instead of 'of'.
11. **Option (3) is correct.**
The word 'viscous' means 'having a thick, sticky consistency between solid and liquid.' 'Thick' is synonymous, 'watery' is antonymous.
12. **Option (3) is correct.**
The correct sentence is: Make sure you always question yourself. The word 'challenge' means to raise questions.

13. **Option (3) is correct.**

'Pedantic' refers to 'too worried about rules or details'; 'pungent' means '(used about a smell) very strong'. Gregarious means 'liking to be with other people'. 'Venial' refers to something that may be forgiven; pardonable. Thus, the correct answer is 'gregarious'.

14. **Option (3) is correct.**

The correct sentence is: In my opinion, you should go for higher studies in London. The auxiliary verb 'should' is followed by the base form of the verb (go). So, 'you should go for higher studies' will replace 'you should went for higher studies'.

15. **Option (2) is correct.**

The correct sentence is: The person driving the car lost control over the wheels and knocked her down. The sentence talks about an event that has occurred in the past (knocked). So, 'lost' (past tense) will be preferred over other verbs.

16. **Option (4) is correct.**

The phrase 'a blind spot' means an area in your range of vision that you cannot see properly but which you really should be able to see. Thus, other options can be eliminated.

17. **Option (2) is correct.**

The correct sentence is: His intent was to become sole lord and to aggrandize his tiny principality. Aggrandize means to 'make great or greater : increase, enlarge'. 'Jeopardize' is to expose to danger or risk. The sentence reveals that the person's objective was to become the only lord, so for that he had to enlarge his tiny principality.

18. **Option (1) is correct.**

'Careless' means 'free from care : not troubled'. The antonym is 'vigilant' (watchful).

19. **Option (1) is correct.**

The incorrectly spelt word is 'tihgt'. It will be spelled as 'tight'.

20. **Option (1) is correct.**

The idiom 'get down to brass tacks' means 'to start to discuss or consider the most important details or facts about something.' Example: The judge refused to hear the personal grudges between the lawyers and asked the lawyers to get down to brass tacks. Thus, the implication is: to get down to something serious.

21. **Option (1) is correct.**

The correct sentence is: Salvador Dalí was a prominent Spanish surrealist painter. Since the subject is singular, the verb will also be singular (is/was). The event belongs to that of past, so 'was' is preferred over other options.

22. **Option (4) is correct.**

The correct sentence is: Salvador Dali was a prominent Spanish surrealist painter born in Figueres, Spain. 'Born' is appropriate as a verb, as Salvador Dalí was native to Figueres, Spain.

23. **Option (4) is correct.**

The correct sentence is: Dalí's father was strict in the education of his children unlike his mother. The possessive pronoun 'his' is appropriate in the context, to denote the relation to Dalí's mother.

24. **Option (2) is correct.**

The correct sentence is: Dali had a brother named Salvador who was born nine months before him. The pronoun 'who' makes sense in the context, as it is always subject to a verb (was born).

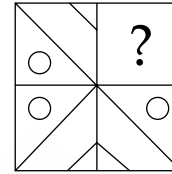
25. **Option (3) is correct.**

The correct sentence is: When he was five, Dalí was taken to his brother's grave and was told that he was his brother's reincarnation. 'Reincarnation' refers to the belief that an

aspect of every human being (or all living beings in some cultures) continues to exist after death. Ordination is the process by which individuals are consecrated. Detonation is an explosion in which the speed of burning is higher than the speed of sound in the surroundings.

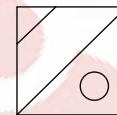
26. **Option (1) is correct.**

Given figure:



As per the pattern followed and symmetry, image on the right reflects the mirror image of the left image.

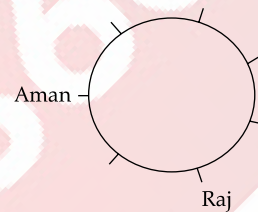
Hence, the required answer figure is:



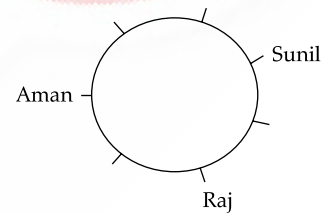
27. **Option (4) is correct.**

Given that: Seven boys are sitting around a circular table facing towards the centre.

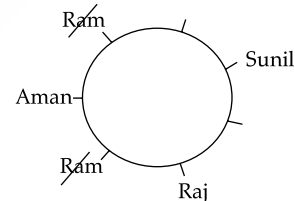
Raj is second to the right of Aman.



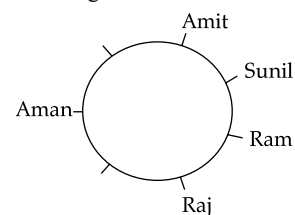
Sunil is third to the left of Aman.



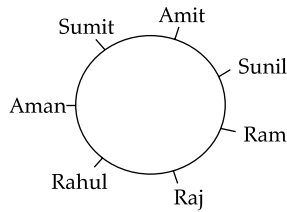
Ram is not the immediate neighbour of Aman.



Amit is second to the right of Ram.



Rahul is not the immediate neighbour of Amit.

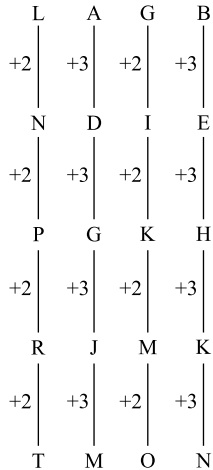


Hence, Ram is sitting third to the left of Sumit.

28. Option (1) is correct.

Given that: LAGB, NDIE, PGKH, RJMK, ?

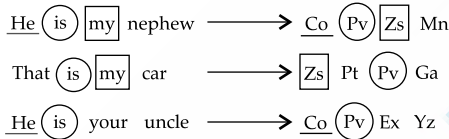
The pattern followed here is:



Hence, TMON is the correct answer.

29. Option (2) is correct.

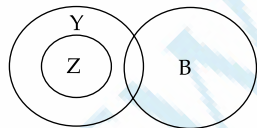
Given that:



Hence, nephew will be coded as Mn.

30. Option (3) is correct.

As per the given statements, following venn diagram can be made:



Conclusion I - Some B are not Z.

It cannot be said definitely. So, this conclusion doesn't follow.

Conclusion II - Some Y are not Z.

It cannot be said definitely. So, this conclusion doesn't follow.

Conclusion III - Some Z are Y.

As given, all Z are Y which implies some Z are Y. So, this conclusion follows.

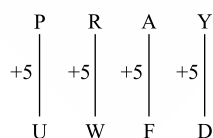
Hence, only conclusion III follows.

31. Option (2) is correct.

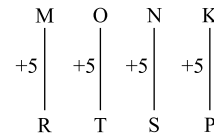
Given that:

PRAY : UWFD :: MONK : RTSP :: FAIT : ?

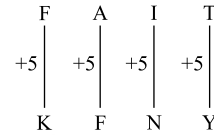
The pattern followed here is:



And,



Similarly,



Hence, KFN Y is the correct answer.

32. Option (3) is correct.

Given that:

Speed of 5 cars are compared.

Speed of C1 is more than only 1 car.

$_ < C1 < _ < _ < _$

Speed of C5 is more than four cars.

$_ < C1 < _ < _ < C5$

Speed of C4 is more than C1 but less than C3 and C5.

$C2 < C1 < C4 < C3 < C5$

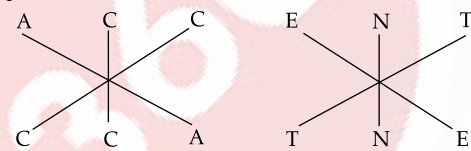
Hence, speed of 3 cars is less than the speed of C3.

33. Option (3) is correct.

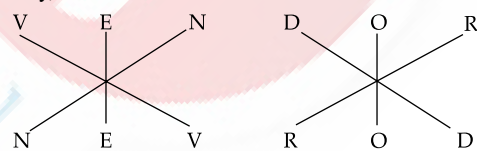
Given that:

ACCENT is coded as CCATNE.

The pattern followed here is:



Similarly, VENDOR will be coded as:



Hence, NEVR OD is the correct answer.

34. Option (1) is correct.

Given that:

Two numbers 1 and 6 has to be interchanged in the below equations.

Equation (I) $7 - 5 + 1 \times 3 \div 6 = 20$

Upon interchanging we get:

LHS, $7 - 5 + 6 \times 3 \div 1$

$\Rightarrow 7 - 5 + 6 \times 3$

$\Rightarrow 7 - 5 + 18$

$\Rightarrow 25 - 5 = 20 = \text{RHS}$

So, equation (1) is correct.

Equation (II) $1 \times 7 + 6 - 4 \div 2 = 40$

Upon interchanging we get:

LHS, $6 \times 7 + 1 - 4 \div 2$

$\Rightarrow 6 \times 7 + 1 - 2$

$\Rightarrow 42 + 1 - 2$

$\Rightarrow 43 - 2 = 41 \neq \text{RHS}$

So, equation (II) is not correct.

Hence, only equation I is correct.

35. Option (4) is correct.

Given that:

(8, 27, 125)

(64, 1331, 1728)

The pattern followed here is:

Each term is exactly a cube of a number.

(8, 27, 125)

$8 = 2^3$

$27 = 3^3$

$125 = 5^3$

(64, 1331, 1728)

$64 = 4^3$

$1331 = 11^3$

$1728 = 12^3$

Similarly, upon checking option (4), we get

(216, 343, 512)

$216 = 6^3$

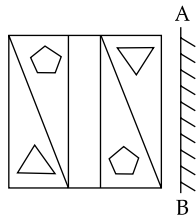
$343 = 7^3$

$512 = 8^3$

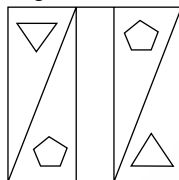
Hence, (216, 343, 512) is correct.

36. Option (3) is correct.

Given figure:



In the mirror image, left becomes right and right becomes left. Hence, the required image is:



37. Option (4) is correct.

Given that:

Electric Current : Ampere :: ?

As we know, ampere is a measurement unit of electric current.

Similarly, newton is a measurement unit of force.

Hence, Force : Newton is the correct answer.

38. Option (2) is correct.

Given that: 342, 365, 388, ?, 434, 457

In the given series, each number is increasing by 23.

$342 + 23 = 365$

$365 + 23 = 388$

$388 + 23 = 411$

$411 + 23 = 434$

$434 + 23 = 457$

Hence, 411 is the correct answer.

39. Option (3) is correct.

Points to remember:

Alphabets	Positional value	Alphabets	Positional value
A	1	N	14
B	2	O	15
C	3	P	16
D	4	Q	17
E	5	R	18
F	6	S	19
G	7	T	20
H	8	U	21
I	9	V	22
J	10	W	23
K	11	X	24
L	12	Y	25
M	13	Z	26

The pattern followed here is:

(Number of letters)²

Now,

APPLE is coded as 25.

Here, number of letters are 5.

So, $5^2 = 25$.

And, JUNIOR is coded as 36.

Here, number of letters are 6.

So, $6^2 = 36$

Similarly, in the word PACKAGE.

There are 7 number of letters.

So, $7^2 = 49$.

Hence, 49 is the correct answer.

40. Option (2) is correct.

Given equation:

$15 + 5 \div 2 - 9 \times 3 = 22$

Let's check the options by interchanging the signs.

1) + and -

LHS $15 - 5 \div 2 + 9 \times 3$

$\Rightarrow 15 - 2.5 + 9 \times 3$

$\Rightarrow 15 - 2.5 + 27$

$\Rightarrow 42 - 2.5 = 39.5 \neq 22 \neq \text{RHS}$

2) \times and \div

LHS $15 + 5 \times 2 - 9 \div 3$

$\Rightarrow 15 + 5 \times 2 - 3$

$\Rightarrow 15 + 10 - 3$

$\Rightarrow 25 - 3 = 22 = \text{RHS}$

3) \times and -

LHS $15 + 5 \div 2 \times 9 - 3$

$\Rightarrow 15 + 2.5 \times 9 - 3$

$\Rightarrow 15 + 22.5 - 3$

$\Rightarrow 37.5 - 3 = 34.5 \neq 22 \neq \text{RHS}$

4) \div and +

LHS $15 \div 5 + 2 - 9 \times 3$

$\Rightarrow 3 + 2 - 9 \times 3$

$\Rightarrow 3 + 2 - 27$

$\Rightarrow 5 - 27 = -22 \neq 22 \neq \text{RHS}$

Hence, \times and \div is the correct answer.

41. Option (1) is correct.

Given that:

$7 : 36 :: 16 : 225 :: 21 : ?$

The pattern followed here is:

$(1^{\text{st}} \text{ term} - 1)^2 = 2^{\text{nd}} \text{ term}$

For 7 : 36,

$(7 - 1)^2 \Rightarrow 6^2 = 36$

For 16 : 225,

$(16 - 1)^2 \Rightarrow 15^2 = 225$

Similarly,

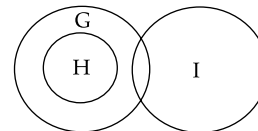
For 21 : ?

$(21 - 1)^2 \Rightarrow 20^2 = 400$

Hence, 400 is the correct answer.

42. Option (4) is correct.

As per the given statements, following venn diagram can be made:



Both the conclusions cannot be said definitely.

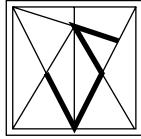
Hence, neither conclusion I nor II follows.

43. Option (2) is correct.

Given figure:



The embedded figure is highlighted in image below:

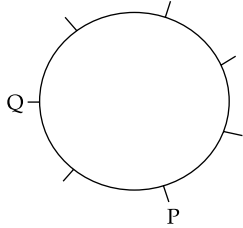


44. Option (2) is correct.

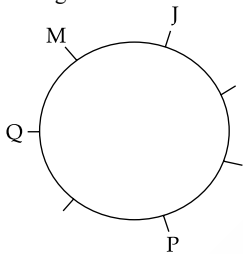
Given that:

Seven boys are sitting around a circular table facing towards the centre.

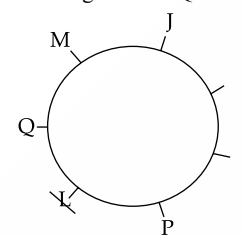
P is second to the right of Q.



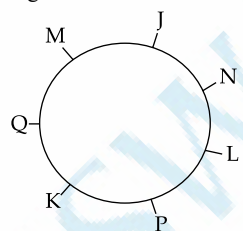
M is the immediate neighbour of both J and Q.



L is not the immediate neighbour of Q



N is second to the right of P.



Hence, P is sitting to the immediate left of L.

45. Option (3) is correct.

Given that: 108, 129, 104, ?, 100, 137, 96

The pattern followed here is:

$$108 + 21 = 129$$

$$129 - (21 + 4) = 104$$

$$104 + (25 + 4) = 133$$

$$133 - (29 + 4) = 100$$

$$100 + (33 + 4) = 137$$

46. Option (3) is correct.

$$15 = 3 \times 5$$

$$25 = 5 \times 5$$

$$\therefore \text{LCM of 15 and 25} = 3 \times 5 \times 5 = 75$$

47. Option (2) is correct.

Number of trucks manufactured by D and F

$$= \frac{150^\circ + 46^\circ}{360^\circ} \times 1800 = 980$$

Number of trucks manufactured by G and I

$$= \frac{22^\circ + 67^\circ}{360^\circ} \times 1800 = 445$$

$$\therefore \text{Required percentage} = \frac{980}{445} \times 100\% = 220.2\%$$

48. Option (1) is correct.

Let cost of one mixer = x

And cost of one T.V. = y

\therefore Cost of two mixers and one Television

$$= 2x + y$$

$$= 700 \quad \dots(i)$$

Cost of two Televisions and one mixer

$$= x + 2y$$

$$= 980 \quad \dots(ii)$$

Subtract equation (i) from twice of equation (ii)

$$(2x + 4y) - (2x + y) = 2 \times 980 - 700$$

$$\Rightarrow 3y = 1260$$

$$\Rightarrow y = \frac{1260}{3} = 420$$

\therefore Cost of 1 Television = ₹ 420

49. Option (2) is correct.

$$\frac{7x + y}{7x - y} = \frac{7}{3}$$

$$\Rightarrow 21x + 3y = 49x - 7y$$

$$\Rightarrow 10y = 28x$$

$$\Rightarrow x : y = 5 : 14$$

50. Option (3) is correct.

Ratio of speed of Aman, Kamal and Manan

$$= 2 : 3 : 4$$

Speed is always inversely proportional to time, so ratio of the time taken by Aman, Kamal and Manan respectively to cover the same distance is:

$$\Rightarrow \frac{1}{2} \times 12 : \frac{1}{3} \times 12 : \frac{1}{4} \times 12$$

$$\Rightarrow 6 : 4 : 3$$

51. Option (2) is correct.

Let the dimensions of cuboid are l , b and h .

New dimensions of cuboid are $\frac{3}{2}l$, $\frac{3}{2}b$ and h .

$$\text{Volume of cuboid} = lbh$$

$$\text{New volume of cuboid} = \frac{3}{2}l \times \frac{3}{2}b \times h$$

According to the question

$$lbh = \frac{3}{2}l \times \frac{3}{2}b \times h_1$$

$$\Rightarrow h_1 = \frac{4h}{9}$$

$$\text{Reduction in height} = \frac{h - h_1}{h} \times 100\%$$

$$= \frac{h - \frac{4h}{9}}{h} \times 100\% = 55.55\%$$

52. Option (1) is correct.

A can file a return in 6 hours.

B can file some return in 10 hours.

Let C can file same return in x hours.

$$\therefore \frac{1}{6} + \frac{1}{10} + \frac{1}{x} = \frac{1}{3}$$

$$\frac{1}{x} = \frac{1}{3} - \frac{1}{6} - \frac{1}{10} = \frac{10 - 5 - 3}{30} = \frac{1}{15}$$

 \therefore C can file the return in 15 hours.**53. Option (3) is correct.**Average of p, q, r and $s = 30$ Average of p and $q = 12$

$$\therefore \text{Average of } r \text{ and } s = \frac{30 \times 4 - 12 \times 2}{2} = 48$$

54. Option (3) is correct.

M alone can complete work in 50 days.

N alone can complete work in 100 days.

Work done by M&N in 25 days

$$= 25 \left[\frac{1}{50} + \frac{1}{100} \right] = \frac{3}{4}$$

Percentage at work done by M&N in 25 days

$$= \frac{3}{4} \times 100\% = 75\%$$

55. Option (3) is correct.

Let income of A = ₹ 100

 \therefore Saving of A = ₹ 18

Expenditure of A = ₹ 82

New income of A = ₹ 141

New expenditure of A = $141 - 18 = ₹ 123$

$$\therefore \text{Increase in expenditure} = \left[\frac{123 - 82}{82} \right] \times 100\% = 50\%$$

56. Option (4) is correct.Let radius of first sphere = r_1 And radius of second sphere = r_2

According to the question

$$\frac{4\pi r_1^2}{4\pi r_2^2} = \frac{81}{25}$$

$$\Rightarrow \frac{r_1}{r_2} = \frac{9}{5} = 9 : 5$$

57. Option (2) is correct.

Difference of compound interest and simple interest

$$= P \left[\frac{r}{100} \right]^2$$

P : Principal amount = ₹ 16000

 r : Rate of interest = $r\%$

According to the question

$$\Rightarrow 160 = 16000 \left[\frac{r}{100} \right]^2$$

$$\Rightarrow 1 = \frac{100 \times r^2}{10000}$$

$$\Rightarrow r^2 = 100 \Rightarrow r = 10$$

So, the required rate of interest = 10%

58. Option (3) is correct.

We will use BODMAS to solve the given expression.

$$28 \times 25 \div 7 \times 15 + 63 \times 56 \div 72 \times 5 + 24 \times 7 + 8$$

$$= 28 \times 25 \times \frac{1}{7} \times 15 + 63 \times 56 \times \frac{1}{72} \times 5 + 168 + 8$$

$$= 1500 + 245 + 168 + 8 = 1921$$

59. Option (2) is correct.

$$\text{Bus covers 45 km in 45 minutes} = \frac{45}{60} \text{ hour} = \frac{3}{4} \text{ hour}$$

$$\therefore \text{Speed of bus} = \frac{45}{3/4} = 60 \text{ km/h}$$

New speed of a bus = $(60 - 20)$ km/h = 40 km/h

Time to travel 45 km with speed 40 km/h

$$= \frac{45}{40} = \frac{9}{8} \text{ hour}$$

$$= \frac{9}{8} \times 60 \text{ minutes} = 67.5 \text{ minutes.}$$

60. Option (4) is correct.

Let the cost price of a bike = ₹ 100

Selling price of the bike = ₹ 145 (45% profit)

New selling price of the bike = $2 \times 145 = ₹ 290$

Hence, new selling price of the bike is earning a profit of 190%.

61. Option (4) is correct.

Total distance of journey = 20 miles

Time taken by a man for journey by walking = 6 hours

Time taken by a man journey by riding = 4 hours

Time taken by a man if he goes by walking and comes back by riding = $(3 + 2)$ hours = 5 hours

$$\therefore \text{Average speed in this way} = \frac{20}{5} = 4 \text{ miles/hour}$$

62. Option (1) is correct.

Only 1 is common between two prime numbers.

 \therefore HCF of two prime numbers = 1.**63. Option (3) is correct.**

Principal amount invested, P = ₹ 14800

Rate of interest, $r = 8.5\%$

$$\text{Time period, } t = 6 \text{ months} = \frac{1}{2} \text{ years}$$

$$\therefore \text{Simple Interest} = \frac{P \times r \times t}{100} = \frac{14800 \times 8.5 \times 1}{100 \times 2} = ₹ 629$$

64. Option (1) is correct. L_1 = The value of average of discount of an article

$$C \text{ and } D = \frac{66 + 72}{2} = 69$$

 L_2 = Sum of selling price of all articles

$$= (350 + 650 + 450 + 750 + 850) - (70 + 75 + 66 + 72 + 80) = ₹ 2687$$

$$\therefore L_1 + L_2 = 2687 + 69 = ₹ 2756$$

65. Option (3) is correct.

Market price of a computer, M.P. = ₹ 10000

Selling price of a computer, S.P. = ₹ 7650

$$\text{Discount} = 10000 - 7650 = ₹ 2350$$

$$\text{Also, discount\%} = \frac{15 + x - \frac{15x}{100}}{100} \times 10000 = 2350$$

$$\Rightarrow 1500 + 100x - 15x = 2350 \Rightarrow 85x = 850 \Rightarrow x = 10\%$$

66. Option (3) is correct.

25% of land revenue collected by Marathas in Deccan was called Chauth. It means one-fourth in Sanskrit and was an annual tax to be paid on the revenue or produce from the lands that were under the normal Mughal rule. Chauth, along with Sardeshmukhi were levied under the Maratha empire. Sardeshmukhi was an additional 10% tax on Chauth that was paid to the head revenue collector and this was collected only to assert and maintain the hereditary right of the king on tax collection processes.

67. Option (1) is correct.

Books	Author
The Race of My Life	Milkha Singh
The Test of My Life: From Cricket to Cancer and Back	Yuvraj Singh
Ace Against Odd	Sania Mirza
By God's Decree, Cricket My Style, and Straight from Heart	Kapil Dev

68. Option (3) is correct.

Fungi can grow on bread, pickles, clothes, and leather. These are eukaryotic organisms such as moulds and yeasts that grow in places which are moist and warm enough to support them. Both these conditions serve as an excellent source of growth for them. Fungi are commonly known to cause skin infections and diseases as well, especially in the rainy season.

69. Option (1) is correct.

Prime Minister Narendra Modi inaugurated Homi Bhabha Cancer Hospital and Research Centre in Mohali, Punjab. It is a 300-bed facility and equipped with state-of-the-art facilities such as MRI, CT, mammography, digital radiography and brachytherapy to treat all types of cancers using every available treatment modalities like surgery and medical oncology -chemotherapy, immunotherapy and bone marrow transplant. It was built at a cost of over Rs. 660 crores by Tata Memorial Centre.

70. Option (4) is correct.

Mopin is an agricultural festival celebrated by the Galo tribe in Arunachal Pradesh. It usually falls in the Galo months of 'Lumi' and 'Luki' which roughly correspond to April and New Year. It is believed to bring wealth and prosperity to all households and to the whole community. The ride worships Goddess Mopin Ane, who is believed to bring fertility and prosperity.

71. Option (4) is correct.

A gold mine had collapsed in China which led to the death of approx 40 people. These accidents occur due to the lack of safety instructions, especially at the most rudimentary sites. Xinjiang is an autonomous region of China and is the largest administrative division in China. It is located in the northwest of China and is known for its diverse geography and ethnicity. Taklamakan Desert, one of the largest deserts in the world, is found in this region.

72. Option (1) is correct.

Gair dance is performed by the Bhil community of Rajasthan. It is also known as Gair Ghalna, Gair Ghumna, Gair khelna and Gair Nachna. It is mostly performed in the Mewar and Marwar regions of Rajasthan during the occasions of Holi and Janmashtami. In this, the dancers dance in a big circle with wooden sticks in their hands. It is performed by both men and women in traditional clothes.

73. Option (1) is correct.

A cognizable offence is a type of offence in which an officer-in-charge of a police station may investigate without the order

of a magistrate and effect arrest without a warrant. It includes offences such as murder, rape etc.

Non-cognizable offence is a type of offence in which a police officer cannot arrest the accused without a warrant and cannot initiate an investigation without the permission of a court. It includes defamation, public nuisances etc.

74. Option (2) is correct.

Eskimos are associated with the Polar region and are circumpolar peoples. The term referred to indigenous or native people who inhabited the Arctic regions of North America and Siberia. However, this term is not used now. Instead, they are known as 'Intuit.' Traditionally, they are hunters and fishermen. They are known for their ability to adapt and thrive in a challenging environment by using all parts of the animals they hunt. They wear clothes and footwear made from animal skins.

75. Option (4) is correct.

According to the Ashokan Inscription, Indraprastha was not a provincial centre in the Magdha empire. Indraprastha was the capital of Pandavas and is believed to have been founded by King Yudhishtira. It was located in present-day Delhi.

Tosali was the capital of Kalinga kingdom and is situated in present-day Odisha. It was an important administrative centre during the Mauryan empire.

Ujjayini is an ancient Indian city that holds great religious and historical significance in Hinduism. It is situated in Madhya Pradesh. It is known for Mahakaleshwar Jyotirlinga, Kumbh Mela, Simhastha Kumbh, and Vikram University to name a few. Taxilla or Takshashila or Takshashila is an ancient city situated in Pothohar region of modern-day Pakistan. In ancient India, it was known as a major center of learning and attracted students, scholars, and teachers from different parts of the world. Subjects such as philosophy, mathematics, medicine, art, astronomy etc were taught over there.

76. Option (2) is correct.

Ilyas Khan was born into a family of musicians. He was introduced to the Sitar by his father who belonged to the Shahjahanpur Gharana of sarod players and his mother was from Lucknow Gharana of Sarod players. Abdul Ghani Khan, a Draupadi singer from Kalpi was his guru.

77. Option (3) is correct.

Magnus Carlsen is a Norwegian chess grandmaster. He is a five-time World Chess Champion, the reigning four-time World Rapid Chess Champion, the reigning six-time World Blitz Chess Champion, and the reigning Chess World Cup Champion. At the age of nineteen, he topped the FIDE world rankings and holds the record of being the youngest person ever to do so.

78. Option (3) is correct.

According to the World Bank data, India was classified as a lower-middle-income country. Every year on 1 July, the World Bank classifies the countries on the basis of the Atlas method, which is based on GNI (Gross National Income) per capita in US Dollars. These estimates are on the basis of official data published by the countries.

GNI is the total amount of money earned by the citizens of a particular country and their businesses. It includes the nation's Gross Domestic Product (GDP) and the income it receives from overseas sources as well.

79. Option (1) is correct.

India hosted the 1982 edition of Asian Games from 19th November to 4th December 1982 in New Delhi. Misra Yantra was the logo of the games. It is one of the four distinct astronomical instruments of the Jantar Mantar in New Delhi. The mascot of the games was Appu. It was a young elephant based on a real-life one called 'Kuttinarayanan'.

The games were inaugurated by the then President of India Zail Singh and most of the games were played in the Jawaharlal Nehru stadium, New Delhi.

80. Option (2) is correct.

In the eighteenth century, the development of cotton industries in Britain resulted in the decline of textile production in India. This was due to the mass production that was achieved using machines and technology. They were able to manufacture the stuff at a much cheaper and faster rate. The British government passed the Calico Act which imposed a ban on chintz (printed cotton textiles) from India. It also imposed extremely heavy duties and taxes which made it difficult for the Indian traders to access England. Also, machine-manufactured goods posed a serious threat to hand-made cotton textiles in the European and American markets. This led to mass unemployment among the Indian weavers. Also, the Indian market was flooded with machine-manufactured clothes from England wiping out indigenously produced fabrics.

81. Option (4) is correct.

The normal temperature of the human body is 37 degrees Celsius or 98.6 degrees Fahrenheit. It is measured using a thermometer. Daniel Gabriel Fahrenheit invented the mercury thermometer.

82. Option (2) is correct.

India has eighteen biosphere reserves. Biosphere Reserve (BR) is an international designation by UNESCO for representative parts of natural and cultural landscapes extending over large areas of terrestrial or coastal/ marine ecosystems or a combination thereof. These try to maintain a balance between social and economic development while providing the co-existence of humans and nature. Since 1986, India has been running a scheme called Biosphere Reserve under which financial assistance is given in a 90:10 ratio to the North Eastern Region States and three Himalayan states and in a ratio of 60:40 to other states for maintenance, improvement and development of certain items. It is guided by the UNESCO Man and Biosphere (MAB) programme.

83. Option (2) is correct.

The Khajurao temples were constructed by Chandella kings between 950 and 1150 AD. These are a group of Hindu and Jain temples located in Chhatarpur district, Madhya Pradesh. Among these, approx. 20 temples have survived the course of time. They are a UNESCO World Heritage site. They are known for their Nagara-style architecture which consists of a sanctum, a narrow ante-chamber (antarala), a transept (mahamandapa), additional halls (ardha mandapa), a mandapa or nave and an ambulatory passage (Pradakshina-path) which is lighted by large windows. They are known for their Erotic imagery.

84. Option (2) is correct.

According to the Union Budget 2023-24, 15 paise comes from the corporation tax for every 1 Rupee receipt of the government. The remaining is as follows - 34 paise comes through borrowings and liabilities while Goods and Services Tax (GST) contributes 17 paise, income tax contributes 15 paise, the Union Excise Duty and Customs add seven and four paise respectively. The remaining eight paise comes from non-tax receipts and non-debt capital receipts.

The Union Budget is also known as the Annual Financial Statement, as mentioned in Article 112 of the Indian Constitution. It is presented on February 1 every year by the Union Finance Minister. However, it is effective from April 1 which is the beginning of India's financial year.

85. Option (3) is correct.

As the name signifies, mixed farming involves raising livestock and growing crops on the same land. It is common in

Afghanistan, India, China, Malaysia, and South Africa. Farmers grow fruits, vegetables, legumes etc depending on the climatic conditions. Rearing of livestock includes raising poultry, goats, cattle, sheep etc. These are a source of wool, milk, meat etc.

86. Option (1) is correct.

Magnetic rocks are not a recognized category of rocks. The presence of magnetism in rocks can occur due to the presence of certain minerals, such as magnetite, within the rock.

Sedimentary rocks are formed by the accumulation and solidification of sediments, minerals, and organic materials found on the surface of the Earth. They are formed through the process of lithification that typically happens near Earth's surface. These normally contain fossils.

Metamorphic rocks are formed from pre-existing rocks when they are subjected to high pressure and temperature. Some of the examples are Hornfels, marbles, gneiss, slate etc.

Igneous rocks are the ones that are formed from the cooling and solidification of molten material known as magma. Some of the examples are Granite, Basalt, Andesite, Pumice etc.

87. Option (1) is correct.

State	Folk Dance
Tamil Nadu	Karagam, Chakkai, Bharatnatyam, Bamber, Kazhai Kothu, Karagattam, Kummi, Oyilattam, Pavai Koothu, Urumi Attam, Villu Paatu, and Bommalattam
Rajasthan	Ghoomar, Bhavai, Chari, Chakri, Fire Folk, Gair, and Gawri
Assam	Bihu, Jumar, Bagurumba, Sattriya, Deodhani, Gumrag
Haryana	Phag, Saanth, Chhathi, Khorla, Dhamal, Daph, Ghoomar, Jhumar, Gugga, Loor, Chaupaia, Deepak

88. Option (3) is correct.

The Eukaryotic cells are the cells that have a well-defined nucleus with a nuclear membrane. This nucleus is a storehouse of genetic material in the form of chromosomes and DNA. These cells can be found in animals, plants, fungi, protists etc. Also, these cells have membrane-bound organelles such as mitochondria, Golgi apparatus, lysosomes, peroxisomes etc. Prokaryotic cells are single-cell microorganisms found in bacteria and archaea. These lack true nuclei and mitochondria.

89. Option (2) is correct.

In the Preamble of the Indian constitution, fraternity assures the dignity of the individual. The Preamble is an introductory statement that elaborates the guiding principles and goals of the Constitution. It declares India to be a Sovereign Socialist Secular Democratic Republic committed to Justice, Equality and Liberty for the people. It states that the Indian constitution was adopted on November 26, 1949 by the Constituent Assembly and it came into force on January 26, 1950. Beohar Rammanohar Sinha designed and decorated the preamble page along with the Constitution.

90. Option (3) is correct.

The first session of the Indian National Congress was held at Gokuldas Tejpal Sanskrit College, Bombay, Maharashtra on December 28, 1885. It was attended by 72 delegates under the Presidency of WC Bonnerjee. The founding member of INC was Allan Octavian Hume, a British civil servant. It was created to offer Indians a platform to voice their grievances against the British Raj.