

STAFF SELECTION COMMISSION
Multi Tasking (Non-Technical) Staff

SOLVED PAPER

(1st September 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 ANTONYM of the given word.
Feud
1. Gross 2. Peril 3. Harmony 4. Vigour
2. Parts of the following sentence have been given as options. Select the option that contains an error.
All these things happen/because she do not/pay heed to my words.
1. pay heed to my words 3. no error
2. all these things happen 4. because she do not
3. Select the most appropriate option that can substitute the underlined segment in the given sentence.
Professor said that I will be late for the lecture.
1. he shall be late for the lecture
2. he is late for the lecture
3. he would be late for the lecture
4. he may be late for the lecture
4. Select the INCORRECTLY spelt word.
1. Separate 3. Definitely
2. Accommodate 4. Embarass
5. Select the most appropriate meaning of the given idiom.
Sell like hot cakes
1. Quick sell out 3. Being ignored
2. Selling cakes 4. Eating hot cake
6. Select the most appropriate option that can substitute the underlined segment in the given sentence.
Andrew will playing basketball at the college tournament.
1. are play the 2. are play 3. is playing 4. is played
7. Select the most appropriate word to fill in the blank.
Hardik Pandya hit four _____ fours and scored 72 runs in the match.
1. continuous 3. ongoing
2. consecutive 4. constant
8. Select the sentence that has NO spelling errors.
1. The doctor presribed some medicine to alleviate my parsistent cough, which has been boathering me for days.
2. The doctor precribed some medicine to aleviate my persistent cough, which has been bothering me for days.
3. The doctor prescribed some medicine to alleviate my persistent cough, which has been bothering me for days.
4. The doctor prescribed some medicine to alleviate my persistent cough, which has been bothering me for days.
9. Select the most appropriate synonym of the bracketed word in the following sentence to fill in the blank.
The athlete's perseverance and mental toughness _____ (facilitate) her to overcome adversity and achieve her goals.
1. restricted 2. enabled 3. limited 4. hindered
10. The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
Throughout my career as a journalist, I covered many important stories and interviewed numerous individuals, which allow me to share important information and insights with my readers.
1. To share important information and insights with my readers
2. I covered many important stories and
3. Throughout my career as a journalist,
4. Interviewed numerous individuals, which allow me
11. The following sentence has been split into four segments. Identify the segment that contains a grammatical error.
Harish says/that his sister/loves to play/harmonium.
1. harmonium 3. Harish says
2. loves to play 4. that his sister
12. Select the most appropriate option that can substitute the underlined segment in the following sentence.
Selling, purchasing, and using an illegally copied product is a criminal offence.
1. an obsolete 3. an outlawed
2. a pirated 4. a crooked
13. Select the most appropriate option to fill in the blank.
The hiring manager has already offered you the job; now, _____ to accept or decline the offer.
1. a penny for your thoughts 3. pull your leg
2. the ball is in your court 4. get your act together
14. Select the most appropriate option to fill in the blank.
Oberon doesn't like the way Demetrius _____ to Helena. (Credit: A Midsummer Night's Dream)
1. talked 2. talks 3. talking 4. to talk

15. Select the most appropriate meaning of the given idiom.
Let sleeping dogs lie
1. To let somebody sleep
2. To fall sick intentionally
3. Leave an existing situation as it is
4. To care for the pet
16. Select the option that can be used as a one-word substitute for the given group of words.
A cage made for birds.
OR
A place for keeping the birds in a confined space.
1. Aquarium 2. Apiary 3. Aviary 4. Arena
17. Select the most appropriate synonym of the given word.
Repulsive
1. Attractive 2. Reliable 3. Disgusting 4. Uniform
18. Select the option that rectifies the spelling of the underlined word in the given sentence.
The sergent brought in a lot of changes as soon as he was given charge.
1. seargeant 2. sergeannt 3. sergant 4. sergeant
19. The given sentence contains an error. Select the option that correctly rectifies the error.
The boy told his mother that he saw the most tall giraffe at the zoo.
1. The boy told his mother that he saw the tallest giraffe at the zoo.
2. The boy told his mother that he saw the most taller giraffe at the zoo.
3. The boy told his mother that he saw the most tallest giraffe at the zoo.
4. The boy told his mother that he saw the more taller giraffe at the zoo.
20. Select the most appropriate meaning of the given idiom.
Call the shots
1. To be a follower that makes less important decision
2. To be in a position to make decisions that influences a situation
3. To be in a powerless position that follows orders
4. To be in a neutral position

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 blank.

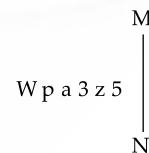
That evening we sat in the courtyard of the hotel once more, (1) _____ the sun sink below the western isles. I told Alexi what had happened that day. I (2) _____ I could glimpse the grey stone wall of Lismore House (3) _____ its island hilltop, the red light of the setting sun glinting from the windows, and from there the wasted frame of Jonathan Blake gazing out across the sea, on nothing, his boy waiting for him to die. But it was my (4) _____, simply the image on my mind, like the image burned on to your eyes when you have (5) _____ too long at the sun, the passing footprint of a creature long gone.

21. Select the most appropriate option to fill in blank no. 1.
1. watching 2. wallowing 3. risking 4. practising
22. Select the most appropriate option to fill in blank no. 2.
1. fancied 2. groped 3. imbibed 4. translated
23. Select the most appropriate option to fill in blank no. 3.
1. off 2. on 3. aside 4. for

24. Select the most appropriate option to fill in blank no. 4.
1. dribble 2. straw 3. fantasy 4. habitat
25. Select the most appropriate option to fill in blank no. 5.
1. resumed 2. rusted 3. blocked 4. stared

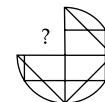
General Intelligence & Reasoning

26. 287 is related to 398 following a certain logic. Following the same logic, 378 is related to 489. To which of the following is 852 related to, following the same logic?
1. 643 2. 963 3. 346 4. 543
27. If 'A' stands for '+', 'B' stands for '×', 'C' stands for '+' and 'D' stands for '-', what will come in place of the question mark (?) in the following equation?
(87 A 29) B 14 D 24 C 14 C 6 B 5 = ?
1. 68 2. 74 3. 62 4. 56
28. What should come in place of '?' in the given series?
9 15 33 87 ? 735 2193
1. 241 2. 249 3. 237 4. 225
29. What should come in place of ? in the given series based on the English alphabetical order?
CNT, FQU, ITV, LWW, ?
1. OZX 2. NY Y 3. MXZ 4. LYX
30. 38 is related to 49 following a certain logic. Following the same logic, 64 is related to 75. To which of the following is 83 related to, following the same logic?
1. 93 2. 95 3. 92 4. 94
31. What should come in place of '?' in the given series?
3 9 45 261 1557 ?
1. 9555 2. 8572 3. 9433 4. 9333
32. What will come in the place of '?' in the following equation, if '+' and '-' are interchanged and '×' and '÷' are interchanged?
32 - 512 × 64 ÷ 8 + 64 = ?
1. 42 2. 22 3. 32 4. 52
33. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



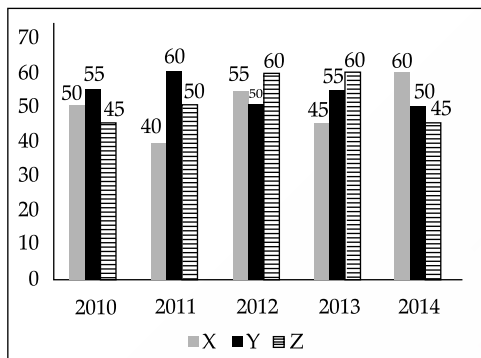
1. 5 x 3 s p W 2. z 5 E s p M 3. p z 3 e b M 4. c x E s q W

34. What should come in place of '?' in the given series?
16 65 261 1045 4181 ?
1. 16945 2. 16273 3. 16725 4. 16892
35. Identify the figure that completes the pattern (rotation is NOT allowed).



1. 2. 3. 4.

53. In a class of 37 students, there are 22 girls. The average weight of these girls is 46 kg and the average weight of the whole class is 50 kg. What is the average weight (in kg) of the boys in that class? (Rounded off to 2 decimal places)
 1. 60.74 2. 55.87 3. 61.35 4. 58.25
54. A boat takes 20 hours for travelling downstream from point A to point B and comes back to a midpoint C between A and B. The speed of the stream is 5 km/h and the speed of the boat in still water is 10 km/h. Find the distance between A and B (in km).
 1. 100 2. 120 3. 150 4. 75
55. Raju sold an article to Ravi at 10% gain. Ravi sold the article to Ramu at a loss of 10%. If Ramu paid 1,485 to Ravi. find the selling price of Raju to Ravi.
 1. ₹ 1,200 2. ₹ 1,500 3. ₹ 1,650 4. ₹ 1,600
56. A and B can do a piece of work in 4 days. B and C can do the same work in 5 days, A and C can do it in 10 days. If A, B, C work together, in how many days can they complete the work?
 1. $3\frac{11}{7}$ 2. $11\frac{3}{7}$ 3. $3\frac{7}{11}$ 4. $11\frac{7}{3}$
57. The graph shows the production of tyres (in Lakhs) by three different companies X, Y, and Z over the years. Directions: Study the following graph carefully to answer the question given below it.



What is the difference between the average production per year of the company with the highest average production and that of the company with the lowest average production in Lakhs?

1. 2 2. 6 3. 8 4. 4
58. What is the mean proportional of 9.61 and 3.61?
 1. 3.17 2. 5.89 3. 4.87 4. 6.78
59. Two numbers A and B are such that the sum of 6% of A and 4% of B is two-fifth of the sum of 7% of A and 11% of B, then the ratio A: B is:
 1. 3:7 2. 5:8 3. 1:8 4. 1:7
60. Two trains of length 110 m and 85 m are moving in the same direction at 12 m/s and 7 m/s, respectively. Find the time (in seconds) taken by the faster train to cross the slower train.
 1. 39 2. 35 3. 19 4. 29
61. In what ratio must a grocer mix two varieties of rice costing ₹ 128 and ₹ 143 per kg, respectively, to get a mixture of rice worth ₹ 137.75 per kg?
 1. 12:5 2. 7:13 3. 5:4 4. 6:7
62. Two persons take steps of 77 cm and 88 cm, respectively. If they start in step, then what is the minimum distance (in cm) they should cover so that both of them can cover the distance in complete steps?
 1. 968 2. 828 3. 616 4. 560

63. The surface area of a sphere is 616 cm², find its diameter.

$$\text{Take} = \frac{22}{7}$$

1. 14 cm 2. 2 cm 3. 4 cm 4. 3 cm
64. The diameter of a metallic sphere is 6 cm. It is melted and drawn into a wire having a diameter of the cross section as 0.4 cm. Find the length of the wire (in metres).
 1. 18 2. 9 3. 12 4. 10
65. A, B and C can do a piece of work in 10, 15, 12 days, respectively. A and B worked alternately for 5 days each and left. Then C joined and completed the work. In how many days did C complete the remaining work?
 1. 3 2. 1 3. 4 4. 2

General Awareness

66. FIFA U-17 Women's World Cup 2022 matches were NOT held in which state?
 1. Maharashtra 2. Odisha 3. Goa 4. Gujarat
67. Who among the following is one of the co-authors of the book, 'Cracking The Code: My Journey in Bollywood'?
 1. Harshvardhan Kapoor 3. Ayushmann Khurrana
 2. Nawazuddin Siddique 4. Rajkumar Rao
68. In 1873, who published the first photograph of nerve tissue stained with the black reaction technique, describing a whole nerve cell?
 1. Gunter Blobel 3. William Harvey
 2. Camillo Golgi 4. Paul Ehrlich
69. In October 2022, Virat Kohli became the first Indian to complete how many runs in T20 cricket history?
 1. 11000 2. 9000 3. 5000 4. 15000
70. According to Sikh literature, the birth anniversary of Guru Nanak Dev is celebrated on the full moon day of the Indian lunar month _____.
 1. Magh 2. Paush 3. Ashada 4. Kartik
71. Yakshagana is a folk dance that belongs to the state of _____.
 1. Kerala 2. Karnataka 3. Haryana 4. Rajasthan
72. The brick temple of Bhitargaon is situated in which state?
 1. Odisha 3. Uttar Pradesh
 2. Jharkhand 4. Madhya Pradesh
73. Which of the following movements was founded in Bengal?
 1. Ramakrishna Mission 3. Satyashodhak Samaj
 2. Arya Samaj 4. Prarthana Samaj
74. On 15 August 1947, the first prime minister of India, Jawaharlal Nehru, raised the Indian National Flag above the _____ of Red Fort in Delhi.
 1. Delhi Gate 3. Ajmeri Gate
 2. Kashmiri Gate 4. Lahori Gate
75. 'Mandarin' is the official language of which neighbouring country of India?
 1. Afghanistan 2. Bhutan 3. Sri Lanka 4. China
76. Which of the following is used to measure the total output of goods and services in an economy including depreciation during a specific period within country?
 1. Net Domestic Product (NDP)
 2. Gross National Product (GNP)
 3. Net National Product (NNP)
 4. Gross Domestic Product (GDP)
77. Which of the following is NOT related to the sport of swimming?
 1. Breaststroke 3. Freestyle
 2. Back stroke 4. Penalty Corner

78. The East-West corridor, which is a part of the Golden Quadrilateral super highways, links which two cities of India from the following?
 1. Ahmadnagar and Imphal 3. Jaipur and Gangtok
 2. Silchar and Porbander 4. Gandhi Nagar and Silchar
79. What is the name of the seventh most abundant metal in the earth's crust, which is derived from the medieval Latin word 'Kalium'?
 1. Aluminium 3. Calcium
 2. Magnesium 4. Potassium
80. What is the aim of Article 44 of the Indian Constitution?
 1. To protect every monument or place of artistic or historic interest
 2. To separate judiciary from the executive in the public services of the State
 3. To protect and improve the environment and safeguard the forests and wildlife of the country
 4. To secure for the citizen, a uniform civil code through the territory of India
81. Which of the following novels of Kamleshwar was awarded the Sahitya Akademi Award in 2003?
 1. Jalti Hui Nadi 3. Kitne Pakistan
 2. Kaali Aandhi 4. Ek Sadak Sattavan Galiyan
82. Which of the following institutes was founded by MG Ranade and GV Joshi?
 1. Abhinav Bharat
 2. The Indian National Congress
 3. The Bombay Presidency Association
 4. Poona Sarvajanik Sabha
83. Roshan Kumari, Shovana Narayan, Maya Rao and Kumudini Lakhia are eminent _____ artists.
 1. Odissi 2. Kuchipudi 3. Kathak 4. Manipuri
84. Rani Machaiah is a folk dancer who was awarded Padma Shri in 2023.
 1. Ummathat 2. Lambadi 3. Gussadi 4. Dhimsa
85. What is the difference between a debit card and a credit card?
 1. Debit cards are used for online transactions, while credit cards are used for in-person purchases.
 2. Credit cards require a PIN, while debit cards require a signature.
 3. Debit cards withdraw money directly from a bank account, while credit cards allow borrowing up to a certain limit.
 4. Debit cards have higher interest rates than credit cards.
86. The Constitution (Scheduled Tribes) Order (Second Amendment) Bill, 2022 has included Narikoravan and Kurivikkaran communities in the list of Scheduled Tribes of which state?
 1. Bihar 3. Chhattisgarh
 2. Tamil Nadu 4. Odisha
87. Which group of musicians were awarded by 'Bharat Ratna' from the following? (As of May 2023.)
 1. Anu Malik and Udit Narayan
 2. Pandit Ravi Shankar and Pandit Bhimsen Joshi
 3. Asha Bhosle and Kishore Kumar
 4. AR Rahman and Hariprasad Chaurasia
88. Which river is also known as Tsangpo?
 1. Ganga river 3. Kaveri river
 2. Gandak river 4. Brahmaputra river
89. What is the destination of the water drained off by the Nile river?
 1. Lake Victoria 3. Mediterranean Sea
 2. Indian Ocean 4. Lake Tanganyika
90. Article 149 of the Constitution deals with _____.
 1. the qualifications required for the appointment of the Comptroller and Auditor-General of India
 2. the duties and powers of the Comptroller and Auditor-General of India
 3. the term of office of the Comptroller and Auditor-General of India
 4. the appointment of the Comptroller and Auditor-General of India

Answer Key

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

Answers with Explanations

1. **Option (3) is correct.**
 The word 'feud' means 'a prolonged and bitter quarrel or dispute.' Therefore, the antonym is something related to peace; thus, 'harmony' is the correct choice.
2. **Option (4) is correct.**
 The correct sentence is: All these things happen because she does not pay heed to my words. The part 'because she do not' will be replaced by 'because she does not', because as per subject-verb concord, a singular subject (she) takes a singular verb (does).
3. **Option (3) is correct.**
 The correct sentence is: Professor said that he would be late for the lecture. The part 'I will be late for the lecture' will be replaced by 'he would be late for the lecture'. In indirect speech, when the reporting verb is in past tense (said), the verb in the sentence will also be in past- 'will' changes to 'would' and first person (I) becomes the third person (he).
4. **Option (4) is correct.**
 The incorrectly spelt word is 'embarass'; it will be 'embarrass' (humiliate).

5. Option (1) is correct.

The idiom 'Sell like hot cakes' implies 'be sold quickly and in large quantities.' So 'quick sell out' is correct.

6. Option (3) is correct.

The correct sentence is: Andrew is playing basketball at the college tournament. The part 'will playing' is incorrect and hence will be replaced by 'is playing'. 'Will' is always followed by 'be'.

7. Option (2) is correct.

The correct sentence is: Hardik Pandya hit four consecutive fours and scored 72 runs in the match. The word 'consecutive' means 'following each other continuously.' While other options do not reflect the same connotation.

8. Option (4) is correct.

The correct sentence is: The doctor prescribed some medicine to alleviate my persistent cough, which has been bothering me for days. Option (1) has the errors in 'presribed', 'parsistent' 'boathering'. Option (2) has errors in 'precribed', 'aleviate', option (3) has errors in 'aleviate', 'parsistent', 'boathering'.

9. Option (2) is correct.

The correct sentence is: The athlete's perseverance and mental toughness enabled her to overcome adversity and achieve her goals. The word 'facilitate' means 'to help', so 'enable' is correct. Moreover, other options are antonyms of 'facilitate'.

10. Option (4) is correct.

The correct sentence is: Throughout my career as a journalist, I covered many important stories and interviewed numerous individuals, which allows me to share important information and insights with my readers. The part 'interviewed numerous individuals, which allow me' is incorrect. This is because the subject is in singular (interviewed numerous individuals), and this interview allows him to share important information and insights with my readers.

11. Option (1) is correct.

The correct sentence is: Harish says that his sister loves to play the harmonium. It is a rule that before musical instruments the definite article (the) is used. So 'the' will precede harmonium.

12. Option (2) is correct.

The correct sentence is: Selling, purchasing, and using a pirated product is a criminal offence. The word 'pirated' means 'illegally copied'.

13. Option (2) is correct.

The correct sentence is: The hiring manager has already offered you the job; now, the ball is in your court to accept or decline the offer. The idiom 'the ball is in your court' implies that it is his or her responsibility to take the next action or decision in a situation. Since, the hiring manager has already offered the job, it is up to the person to accept or decline the offer. The idiom 'a penny for your thoughts' is used to ask what someone is thinking about. The idiom 'pull your leg' means 'deceive someone playfully; tease someone.' The idiom 'get your act together' implies 'to start to organise yourself so that you do things in an effective way'.

14. Option (2) is correct.

The correct sentence is: Oberon doesn't like the way Demetrius talks to Helena. The sentence is in present tense, so 'talks' is the correct form of verb.

15. Option (3) is correct.

The idiom 'Let sleeping dogs lie' connotes 'to ignore a problem because trying to deal with it could cause an even more difficult situation.' Example: I wanted to raise concerns regarding the corrupt administration in school, but decided to let the sleeping dogs lie.

16. Option (3) is correct.

A cage made for birds or a place for keeping the birds in a confined space is an aviary. Apiaries are place where beehives are kept. Arena is an enclosed area used for public entertainment.

17. Option (3) is correct.

Repulsive means arousing intense distaste or disgust. (1) is the antonym; while 'disgusting' is the synonym.

18. Option (4) is correct.

The correct sentence is: The sergeant brought in a lot of changes as soon as he was given charge. Here, 'sergent' will be replaced by 'sergeant'.

19. Option (1) is correct.

The correct sentence is: The boy told his mother that he saw the tallest giraffe at the zoo. The phrase 'most tall' will be replaced by 'tallest', because the superlative degree of 'tall' is 'tallest', not 'taller'. Option (3) is incorrect as the use double superlative (most tallest) is incorrect.

20. Option (2) is correct.

'Call the shots' means 'take the initiative in deciding how something should be done.' Example- Since he is elder to me, I asked him to call the shots in the case. Thus, To be in a position to make decisions that influences a situation.

21. Option (1) is correct.

The correct sentence is: That evening we sat in the courtyard of the hotel once more, watching the sun sink below the western isles. The verbs 'wallowing' (self-pitying), practising, risking do not fit the act of observing the sun sink below the western isles.

22. Option (1) is correct.

The correct sentence is: . I fancied I could glimpse the grey stone wall of Lismore House... To 'fancy' means to feel a desire or liking for. Other verbs are unlikely and unfit for the blank.

23. Option (2) is correct.

The correct sentence is: the grey stone wall of Lismore House on its island hilltop. The preposition 'on' is used to denote the location of Lismore House, (used to show that something is in a position above something else and touching it).

24. Option (3) is correct.

The correct sentence is: But it was my fantasy simply the image on my mind,... Here the word 'fantasy' (event that you think about and that you want to happen, especially one that is unlikely to happen) fits the best because the context is related to imagination.

25. Option (4) is correct.

The correct sentence is: like the image burned on to your eyes when you have stared too long at the sun, the passing footprint of a creature long gone. The idea of looking for a long time with the eyes wide open is 'staring'.

26. Option (2) is correct.

Given that: 287 is related to 398 and 378 is related to 489. The pattern followed here is:

$$\begin{array}{r} 2 \quad 8 \quad 7 \\ +1 \quad +1 \quad +1 \\ \hline 3 \quad 9 \quad 8 \end{array}$$

And

$$\begin{array}{r} 4 \quad 7 \quad 8 \\ +1 \quad +1 \quad +1 \\ \hline 5 \quad 8 \quad 9 \end{array}$$

Similarly,

$$\begin{array}{c} 8 \\ +1 \\ \hline 9 \end{array} \quad \begin{array}{c} 5 \\ +1 \\ \hline 6 \end{array} \quad \begin{array}{c} 2 \\ +1 \\ \hline 3 \end{array}$$

Hence, 852 is related to 963 in the same manner as the others.

27. Option (3) is correct.

Given series: (87 A 29) B 14 D 24 C 14 C 6 B 5 = ?

After putting the signs in the series, we get:

$$(87 \div 29) \times 14 - 24 + 14 + 6 \times 5$$

According to BODMAS rule,

$$3 \times 14 - 24 + 14 + 6 \times 5$$

$$42 - 24 + 14 + 30$$

$$86 - 24 = 62$$

28. Option (2) is correct.

Given that: 9 15 33 87 ? 735 2193

The pattern followed here is:

$$9 + 6 = 15$$

$$15 + 6 \times (3)^1 = 33$$

$$33 + 6 \times (3)^2 = 87$$

$$87 + 6 \times (3)^3 = 249$$

$$249 + 6 \times (3)^4 = 735$$

$$735 + 6 \times (3)^5 = 2193$$

Hence, 249 is the missing number.

29. Option (1) is correct.

Given that: CNT, FQU, ITV, LWW, ?

The pattern followed here is:

$$\begin{array}{c} C \\ +3 \\ \hline F \\ +3 \\ \hline I \\ +3 \\ \hline L \\ +3 \\ \hline O \end{array} \quad \begin{array}{c} N \\ +3 \\ \hline Q \\ +3 \\ \hline T \\ +3 \\ \hline W \\ +3 \\ \hline Z \end{array} \quad \begin{array}{c} T \\ +1 \\ \hline U \\ +1 \\ \hline V \\ +1 \\ \hline W \\ +1 \\ \hline X \end{array}$$

Hence, OZX is the correct answer.

30. Option (4) is correct.

Given that: 38 is related to 49 and 64 is related to 75

The pattern followed here is:

$$\begin{array}{c} 3 \\ +1 \\ \hline 4 \\ +1 \\ \hline 5 \end{array} \quad \begin{array}{c} 8 \\ +1 \\ \hline 9 \\ +1 \\ \hline 10 \end{array}$$

And,

$$\begin{array}{c} 5 \\ +1 \\ \hline 6 \\ +1 \\ \hline 7 \end{array} \quad \begin{array}{c} 4 \\ +1 \\ \hline 5 \\ +1 \\ \hline 6 \end{array}$$

Similarly,

$$\begin{array}{c} 8 \\ +1 \\ \hline 9 \\ +1 \\ \hline 10 \end{array} \quad \begin{array}{c} 3 \\ +1 \\ \hline 4 \\ +1 \\ \hline 5 \end{array}$$

Hence, 83 is related to 94 in the same manner.

31. Option (4) is correct.

Given series: 3 9 45 261 1557 ?

$$3 + (6)^1 = 9$$

$$9 + (6)^2 = 45$$

$$45 + (6)^3 = 261$$

$$261 + (6)^4 = 1557$$

$$1557 + (6)^5 = 9333$$

Hence, 9333 is the correct answer.

32. Option (3) is correct.

Given equation: $32 - 512 \div 64 \div 8 + 64 = ?$

After interchanging the signs as per question, we get

$$32 + 512 \div 64 \times 8 - 64$$

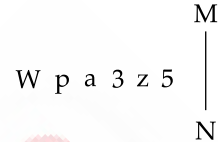
According to the BODMAS rule:

$$32 + 8 \times 8 - 64$$

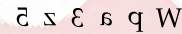
$$32 + 64 - 64 = 32$$

33. Option (4) is correct.

Given figure:



In the mirror image, objects on the left appears in the right and objects on the right appears in the left. Hence, the required image is:



34. Option (3) is correct.

Given that: 16 65 261 1045 4181 ?

The pattern followed here is:

$$16 \times 4 + 1 = 65$$

$$65 \times 4 + 1 = 261$$

$$261 \times 4 + 1 = 1045$$

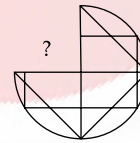
$$1045 \times 4 + 1 = 4181$$

$$4181 \times 4 + 1 = 16725$$

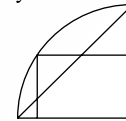
Hence, 16725 is the correct answer.

35. Option (4) is correct.

Given figure:



As per the pattern and symmetry followed, option (4) fulfills the given image correctly.



36. Option (2) is correct.

Given pair:

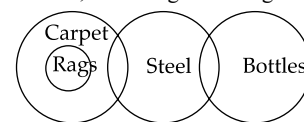
Reflection: Light

when light rays bounces back from a surface, it is known as reflection. Similarly, when a sound bounces back from a surface, it is known as echo.

Hence, Echo: Sound is the word pair which represents a similar relationship.

37. Option (4) is correct.

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



Conclusion I - All carpets are rags.

All rags are carpet but all carpet are rags is not definite. So, this conclusion doesn't follows.

Conclusion II - Some carpets are bottles.

Some carpets are steel and some steel are bottles but some carpets are bottles is not definite. So, this conclusion doesn't follow.

Hence, neither conclusion I nor II follows.

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

Given that: X _AL ZH _L _KAL DNA _QAL

Upon inserting alphabets from option (3), we get

XEAL ZHAL BKAL DNAL FQAL

Here 1st letter of the clusters is increasing by 2 positional values.

2nd letter of the clusters is increasing by 3 positional values.

3rd and 4th letters are same as A and L in all clusters.

Hence, it is the correct option.

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

Given word: FINGER

When we arrange this word alphabetically, we get

EFGINR

Which means only 1 letter 'R' will remain unchanged at its position.

Hence, one is the correct answer.

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

Given that:

BLUE is coded as 1542

ABLE is coded as 1745

If we compare both the words we get,

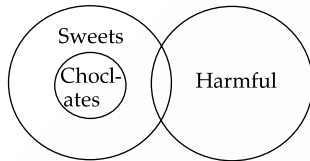
The codes for the similar alphabets in both the words, i.e. B, L, E are 1, 5, 4 (In random order), indicating that the only letter remaining in the word ABLE is 'A.'

Therefore, there is only 1 digit left for 'A' which is 7.

Hence, 7 is the correct answer.

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

As per the question, following venn diagram can be made:



Both the conclusions are not definite as per the given information. Hence, neither conclusion I nor II follows.

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

Given that:

K	3	3	D	D	U	U	T
L	O	U	D	K	T	O	L
	T		U		3		K
							?

As per the pattern followed and symmetry, the required image is as follows:

T			K
L	O	D	3
			U

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

Given that:

ENVY is coded as FMWX

The pattern followed is:

E	+	1	F
N	-	1	M
V	+	1	W
Y	-	1	X

And, ALAS is coded as BKBR:

A	+	1	B
L	-	1	K
A	+	1	B
S	-	1	R

Similarly, BODY can be coded as:

B	+	1	C
O	-	1	N
D	+	1	E
Y	-	1	X

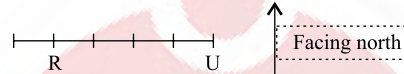
Hence, CNEX is the correct answer.

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

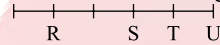
Given that: P, Q, R, S, T and U are sitting in a straight line facing north.

As per the question,

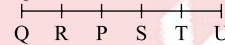
U sits fourth to the right of R and R is not sitting at the extreme end on the line.



T is the immediate neighbour of U and S.



Q sits third to the left of S.



Hence, P is sitting immediately to the right of R.

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

Given series: P _ _PO_P_P_OP

Upon inserting alphabets from option (4) sequentially in the series, we get

POPPOPPOPPOP

Hence, it forms a logical series.

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

∴ Ratio of the second number to third number is 7/10

Let the second number = 7x

Third number = 10x

First number = $\frac{4}{5} \times 10x = 8x$ [20% less than third number]

Average of the first and third number = $\frac{8x + 10x}{2} = 9x$

Required percentage = $\frac{9x - 7x}{7x} \times 100\% = \frac{200}{7}\% = 28\frac{4}{7}\%$

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

Let the principal amount deposited = ₹ x

Rate of interest, r = 5%

Time, t = 3 years

Amount, A = ₹ 27783

$$\therefore A = P \left[1 + \frac{r}{100} \right]^t$$

$$27783 = x \left[1 + \frac{5}{100} \right]^3 \Rightarrow x = \frac{277783}{(1.05)^3} = 24000$$

Amount deposited by her is ₹24000.

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

Total time taken by driver in the complete journey

$$= (3 + 1 + 4) \text{ hr} = 8 \text{ hr}$$

Total distance travelled = 60 × 3 + 60 × 4

$$= 420 \text{ km}$$

$$\begin{aligned} \therefore \text{Average speed} &= \frac{\text{Total distance}}{\text{Total Time}} \\ &= \frac{420}{8} = 52.5 \text{ km/h} \end{aligned}$$

49. Option (2) is correct.

Clearly from the table, highest number of failed candidates are in city B.

$$\text{Number of failed candidates} = \frac{3}{2+3} \times 650 = 390$$

$$\begin{aligned} \text{Percentage of failed candidates in city B} \\ &= \frac{3}{2+3} \times 100\% = 60\% \end{aligned}$$

50. Option (3) is correct.

Amount invested, P = ₹ 20000

Total amount after 9 years, A = ₹ 33500

$$\begin{aligned} \therefore \text{Simple interest, S.I.} &= A - P = 33500 - 20000 \\ &= ₹ 13500 \end{aligned}$$

Rate of interest = $r\%$

$$\therefore \text{S.I.} = \frac{P \times r \times t}{100}$$

$$13500 = \frac{20000 \times r \times 9}{100}$$

$$r = \frac{13500}{1800} = 7.5\%$$

51. Option (4) is correct.

Given equation:

$$\begin{aligned} \frac{13 \div 13 \text{ of } 13 + 13}{13 \div 13 \times 13 + 13} &= \frac{13 \div 169 + 13}{1 \times 13 + 13} = \frac{\frac{1}{13} + 13}{26} \\ &= \frac{1 + 169}{13 \times 26} = \frac{170}{13 \times 26} = \frac{85}{169} \end{aligned}$$

52. Option (4) is correct.

Cost price of the item, C.P. = ₹ 4350

Selling price of the item, S.P. = ₹ 5680

$$\begin{aligned} \therefore \text{Profit\%} &= \left[\frac{\text{S.P.} - \text{C.P.}}{\text{C.P.}} \right] 100\% \\ &= \frac{5680 - 4350}{4350} \times 100\% \\ &= 30.57\% \approx 30.6\% \text{ (approximately)} \end{aligned}$$

53. Option (2) is correct.

Number of girls = 22

\therefore Number of boys = $37 - 22 = 15$

Average weight of girls = 46 kg

Average weight of whole class = 50 kg

Let the average weight of all boys = x kg

According to question

$$37 \times 50 = 22 \times 46 + 15x$$

$$1850 = 1012 + 15x$$

$$x = \frac{1850 - 1012}{15} = 55.866 \approx 55.87 \text{ kg}$$

54. Option (2) is correct.

Speed of boat in downstream = $(10 + 5)$ km/hr = 15 km/hr

Speed of boat in upstream = $(10 - 5)$ km/hr = 5 km/hr

Let the distance between A and B = $2x$ km

According to question

$$\frac{2x}{15} + \frac{x}{5} = 20 \Rightarrow \frac{2x + 3x}{15} = 20$$

$$\Rightarrow 5x = 15 \times 20 \Rightarrow x = 60$$

$$\begin{aligned} \therefore \text{Distance between A \& B} &= 2x \\ &= 2 \times 60 = 120 \text{ km} \end{aligned}$$

55. Option (3) is correct.

Let cost price of the article for Raju = ₹ x

$$\therefore \text{Cost price of the article for Ravi} = \frac{11}{10} x$$

[10% more than x]

Cost price of the article for Ramu

$$= \left[\frac{100 - 10}{100} \right] \times \frac{11}{10} x = \frac{9 \times 11}{100} x$$

According to question

$$\frac{99}{100} x = 1485 \Rightarrow x = \frac{148500}{99} = 1500$$

$$\text{Selling price of Raju to Ravi} = \frac{110}{100} \times 1500 = ₹ 1650$$

56. Option (3) is correct.

A and B can do work in 4 days.

B and C can do work in 5 days.

C and A can do work in 10 days.

$$\therefore \text{A, B and C can do same work in } \frac{2}{\frac{1}{4} + \frac{1}{5} + \frac{1}{10}} \text{ days}$$

$$= \frac{2}{\frac{5+4+2}{20}} = \frac{40}{11} \text{ days} = 3 \frac{7}{11} \text{ days.}$$

57. Option (4) is correct.

Average production of company X

$$= \frac{50 + 40 + 55 + 45 + 60}{5} = 50 \text{ (in lakhs)}$$

Average production of company Y (in lakhs)

$$= \frac{55 + 60 + 50 + 55 + 50}{5} = 54$$

Average production of company Z (in lakhs)

$$= \frac{45 + 50 + 60 + 60 + 45}{5} = 52$$

Required difference (in lakhs) = $54 - 50 = 4$

58. Option (2) is correct.

Let men proportion of 9.61 and 3.61 = x

$$\frac{9.61}{x} = \frac{x}{3.61} \Rightarrow x^2 = 9.61 \times 3.61$$

$$x = \sqrt{9.61 \times 3.61} = 5.89$$

59. Option (3) is correct.

Let A is a and B is b .

6% of A and 4% of B = $0.06a + 0.04b$

7% of A and 11% of B = $0.07a + 0.11b$

According to question

$$0.06a + 0.04b = \frac{2}{5} (0.07a + 0.11b)$$

$$0.3a + 0.2b = 0.14a + 0.22b$$

$$0.16a = 0.02b$$

$$\frac{a}{b} = \frac{0.02}{0.16} = \frac{1}{8} = 1 : 8$$

Ratio of A to B = 1 : 8

60. Option (1) is correct.

Relative speed of two trains = $(12 - 7)$ m/s = 5 m/s

Total length of two trains = $(110 + 85)$ m = 195 m

Time taken to cross the slower train by faster train

$$= \frac{195}{5} \text{ s} = 39 \text{ s}$$

61. Option (2) is correct.

Let the required ratio of two varieties of rice is a b .

$$\text{Average price of two varieties} = \frac{128a + 143b}{a + b}$$

$$137.75 = \frac{128a + 143b}{a + b}$$

$$137.75a + 137.75b = 128a + 143b$$

$$9.75a = 5.25b$$

$$\frac{a}{b} = \frac{5.25}{9.75} = \frac{7}{13} = 7 : 13$$

62. Option (3) is correct.

Length of step of first person = 77 cm

Length of step of second person = 88 cm

$$\therefore \text{Required distance} = \text{LCM of } 77 \text{ \& } 88 \\ = 7811 = 616 \text{ cm}$$

63. Option (1) is correct.

Let the radius of sphere = r cm

\therefore Surface area of sphere = $4\pi r^2$ cm²

According to question

$$4\pi r^2 = 616$$

$$4 \times \frac{22}{7} \times r^2 = 616 \Rightarrow r = 7 \text{ cm}$$

\therefore Diameter of sphere = $2r = 14$ cm

64. Option (2) is correct.

Radius of metallic sphere, $R = \frac{6}{2}$ cm = 3 cm

Radius of wire, $r = \frac{0.4}{2}$ cm = 0.2 cm

Let length of wire = h cm

According to question

$$\frac{4}{3}\pi R^3 = \pi r^2 h$$

$$\frac{4}{3} \times 3^3 = 0.2^2 \times h \Rightarrow h = 900 \text{ cm} = 9 \text{ m}$$

65. Option (4) is correct.

A can do work in 10 days.

B can do the same work in 15 days.

C can do the same work in 12 days.

$$5 \text{ days work of each A \& B} = 5 \left[\frac{1}{10} + \frac{1}{15} \right] = \frac{5}{6} \text{ part of work}$$

$$\text{Remaining work to be done} = \left(1 - \frac{5}{6} \right)^{\text{th}} \text{ part} = \frac{1}{6} \text{ part}$$

C will take number of days to complete $\frac{1}{6}$ th work

$$= \frac{1/6}{1/12} = \frac{12}{6} = 2 \text{ days.}$$

66. Option (4) is correct.

FIFA U-17 Women's World Cup 2022 took place in India from October 11 to October 30, 2022.

Matches were held in three venues:

DY Patil Stadium in Navi Mumbai, Maharashtra

Pandit Jawaharlal Nehru Stadium in Margao, Goa

Kalinga Stadium in Bhubaneswar, Odisha

Gujarat did not serve as one of the host states for the tournament.

67. Option (3) is correct.

'Cracking the Code: My Journey in Bollywood' is an autobiography of Ayushmann Khurrana and co-authored by Tahira Kashyap. Ayushmann Khurrana is a singer, actor, and television personality who works in Hindi movies. He has won a National award and four Filmfare awards for his work in the Hindi cinema.

68. Option (2) is correct.

Camillo Golgi was an Italian pathologist and botanist for his work on the Central Nervous System (CNS). He was the first one to publish the first photograph of a nerve stained with black color and this is known as Golgi's method. He was jointly awarded the Nobel Prize in Physiology, along with Santiago Ramón y Cajal for their work on CNS, in the year 1906.

Gunter Blobel was a biologist who was awarded Nobel Prize laureate in Physiology for the discovery that proteins have intrinsic signals that govern their transport and localization in the cell in the year 1999.

William Harvey was the first person to discover the circulation of blood.

Parul Ehrlich was a German scientist and Physician who discovered the cure for Syphilis and invented the technique to stain the bacteria.

69. Option (1) is correct.

Virat Kohli became the first Indian to complete 11000 runs in the T20 history in October 2022. He achieved this feat during the T20 against South Africa at the Barsapara Cricket Stadium, Guwahati. He completed 11000 runs in a total of 354 matches. During World Cup 2023, Virat Kohli broke Sachin Tendulkar's record for most runs by an Indian in white-ball ICC tournaments. He managed to cross the 220-run mark in his 67th match, breaking Sachin Tendulkar's record of 2,719 runs in 61 matches.

70. Option (4) is correct.

Guru Nanak Jayanti is celebrated on Kartik Purnima. According to the Hindu calendar, it is the fifteenth lunar day or the full moon day in the month of Kartik and according to the Gregorian calendar, it usually falls in the month of November. Guru Nanak Jayanti marks the birthday of the first Sikh guru, Shri Guru Nanak Dev, who was the founder of Sikhism.

71. Option (2) is correct.

State	Folk Dance
Kerala	Kathakali, Mohiniyattam, Thiruvathirakali, Ottamthullal, Koodiyattam, Chakyar Koothu, Theyyam
Karnataka	Dollu Kunitha (Drum dance), Yakshagana
Haryana	Phag, Saanth, Chhathi, Khorla, Dhamal, Daph, Ghoomar, Jhumar, Gugga, Loor, Chaupaia, Deepak
Rajasthan	Ghoomar, Bhavai, Chari, Chakri, Fire Folk, Gair, and Gawri

72. Option (3) is correct.

The Brick Temple of Bhitargaon is situated in Bhitargaon, Uttar Pradesh and is one of the oldest surviving brick temples. It was built during the Gupta period and is dedicated to Lord Shiva. It is the oldest remaining terracotta Hindu shrine with

a roof and a high Sikhara. The temple is built on a square plan with double-recessed corners and faces east. The temple has a tall pyramidal spire (shikhara) above the inner sanctum (garbha griha).

73. Option (1) is correct.

The Ramakrishnan mission was founded by Swami Vivekananda on May 1, 1897, in Calcutta, British India. The mission is named after Indian spiritual Guru Ramakrishna Paramahansa. Swami Vivekananda was his chief disciple. It is also known as the Vedanta movement. It stressed the ideal of salvation through self-service and selfless action.

74. Option (4) is correct.

On August 15, 1947, the first Prime Minister of India, Jawaharlal Nehru, raised the Indian National Flag above the Lahori Gate of Red Fort in Delhi. It was on this day that India gained independence from the Britishers. On this day, the Prime Minister of the country hoists the national flag at Red Fort. Also, on the eve of Independence Day, the President of India delivers 'Address to the Nation'. India became a republic on January 26, 1950, when India's constitution came into being. In 2023, India celebrated its 77th independence day with the theme 'Nation First, Always First.'

75. Option (4) is correct.

Country	Capital	Official Language
Afghanistan	Kabul	Dari (Afghan Persian) and Pashto
Bhutan	Thimphu	Dzongkha
Sri Lanka	Jayawardanapura Kotte	Sinhala and Tamil
China	Beijing	Mandarin also known as Putonghua

76. Option (4) is correct.

GDP stands for the Gross Domestic Product. It is basically a monetary measure of all the final goods and services sold in a country over a period of time. It takes into consideration the goods and services sold inside the geographical boundary of the country. GDP includes only those final goods for which consumers have paid and they have been sold. This means only marketed goods are considered while estimating GDP. GNP or Gross National Product is the value of all goods and services that are owned by the citizen of a country. GNP doesn't restrict goods and services based on the geographical boundaries of the country.

Net Domestic Product (NDP) is the total economic output of a country after taking into consideration the depreciation on capital assets and the consumption of fixed capital.

77. Option (4) is correct.

A penalty corner is known as a field corner and is part of field hockey. It is awarded to the attacking team when there is a violation or foul committed by the defending team within the striking circle. The penalty corner provides the attacking team with an advantage to score extra.

Breaststroke is a swimming style in which a swimmer swims on their chest. There is no movement of the torso. In this style, the head of the swimmer is outside the water for a major time period and it is comfortably performed at slow speeds as well. Back Stroke is also known as back crawl. As the name signifies, in this form of swimming, the swimmer swims on the back. This allows them to breathe easily however they are not able to see where they are heading.

Freestyle swimming involves the use of arms and legs for swimming. It is also known as the front crawl and is the fastest surface swimming stroke.

78. Option (2) is correct.

The East-West Corridor connects Silchar and Porbandar which is 3,300 kilometres in length and stretches from Gujarat to Assam. It is a part of the North-South-East-West Corridor (NS-EW), which is the longest ongoing highway project in India. Jhansi is the junction of North-South and East-West Corridors.

79. Option (4) is correct.

The seventh most abundant element in the Earth's crust is Potassium, which is silvery white in colour and is represented by the letter 'K'. It is soft enough to be cut by a knife and is an alkali metal belonging to 'block', group 1 with Atomic Number 19. Earth's crust is the outermost layer of Earth. The most abundant element is 'Oxygen' which constitutes about 46.1% of the total gases.

80. Option (4) is correct.

Article 44 of the Indian constitution is related to the 'Uniform Civil Code (UCC).' It is part of the Directive Principles of State Policy. The article states that the state shall endeavour to secure a Uniform Civil Code for its citizens. However, the framers understood the sensitivity and complexity of the issue and left it to the discretion of the government to implement UCC.

81. Option (3) is correct.

'Kite Pakistan' by Kamleshwar was awarded the 'Sahitya Akademi Award' in 2003. The Sahitya Akademi award is awarded by Sahitya Akademi, India's National Academy of Letters. It is an annual award conferred to the writers of 22 languages of the eighth Schedule of the Indian constitution, English and Rajasthani language. It was established in 1954 and is awarded in the categories of Fiction, Poetry, Drama, Literary criticism, Essays, and Translation etc.

82. Option (4) is correct.

Poona Sarvajanik Sabha was founded by Mahadev Govind Ranade and Ganesh Vasudeo Joshi. It was established in the year 1870 and was a sociopolitical organisation. It focused on promoting social justice, education, and the welfare of the people, especially those belonging to the lower castes and marginalized sections of society. It also acted as the mediating body between the Britishers and the people of India.

Meera Pavagi was elected as the first woman President of the organisation in 2016. Currently, it is headquartered in Pune, Maharashtra.

83. Option (3) is correct.

Roshan Kumari, Shovana Naryan, Maya Rani, and Kumudini Lakhia are eminent Kathak artists.

Kathak is the classical dance of Uttar Pradesh and is one of the eight major forms of Indian classical dance.

84. Option (1) is correct.

Rani Machaiah is an Ummathat folk dancer from Kodagu district, Karnataka. She won the award for promoting and preserving Kodava culture through dance. She is also known as 'Ummathat ki Rani.' Ummathat is the traditional dance form of Coorg which is performed by a troupe of 20 women. Of these, two are singing and eighteen are dancing to narrate a story.

85. Option (3) is correct.

Debit card is used to withdraw money directly from a bank account while a credit card allows borrowing up to a certain limit. The money is directly deducted from a person's bank account. Banks charge a nominal annual fee for issuing the debit card. It is also known as a bank card or check card.

Credit Card is a type of credit facility provided by financial institutions that allows customers to make financial transactions on the basis of a predetermined credit card facility. The customers pay the credit card bill after making the transactions.

86. Option (2) is correct.

The Constitution (Scheduled Tribes) Order (Second Amendment) Bill, 2022 modified the list of Scheduled Tribes in the State of Tamil Nadu to include the Narikoravan and Kurivikkaran communities in the list of Scheduled Tribes in Tamil Nadu. It amended the Constitution (Scheduled Tribes) Order, 1950.

87. Option (2) is correct.

Pandit Ravi Shankar, a music legend is famous for Hindustani classical instrumental. Ravi Shankar is an Indian composer and sitarist. He was the world's best known expert of North Indian classical music. He was awarded with Bharat Ratna, the highest civilian honour of India.

Pandit Bhimsen Joshi is an Indian vocalist of Hindustani classical music. He was known for the khayal form of singing, devotional bhajans and abhangs. He represented Kirana gharana. He passed away at the age of 88 years.

Bharat Ratna is the highest civilian award of India and awarded to people for their exceptional public service and performance of the highest order in any field of human activity like literature science and art. It was instituted in the year 1954.

The first Bharat Ratna award was awarded to politician C.Rajagopalachari, philosopher Sarvepalli Radhakrishnan, and scientist CV Raman in the year 1954.

88. Option (4) is correct.

The river Brahmaputra is also known as Tsangpo river. Brahmaputra river flows through Tibet, northeast India, and Bangladesh and it originates in Mansarovar. It is known as

Siang/Dihang River in Arunachali and Luit in Assamese. The Brahmaputra river is known as Siang/Dihang River in Arunachal Pradesh. This river originates in the Mansarovar Lake region in Tibet and is known as the Yarlung Tsangpo in Tibetan language.

89. Option (3) is correct.

The destination water drained off by the Nile River goes into the Mediterranean Sea. The Nile River is one of the longest rivers in the world and flows through northeastern Africa. It covers a distance of approximately 6,650 kilometres. It has two major tributaries - the White Nile and the Blue Nile. The Mediterranean Sea is situated between southern Europe to the north, northern Africa to the south, and the Anatolian Peninsula (part of Turkey) to the east. It is bordered by twenty-one countries, including Spain, France, Italy, Greece, Turkey, Syria, Lebanon, Israel, Egypt, Libya, Tunisia, and Algeria, among others.

90. Option (2) is correct.

Article 149 of the Constitution deals with the duties and powers of the Comptroller and Auditor General (CAG) of India. Article 148 of the constitution deals with the provisions related to the oath and conditions of service of the Comptroller and Auditor-General of India.

Article 150 states that the accounts of the Union and of the States shall be kept in such form as the President may, on the advice of the CAG, prescribe.

Girish Chandra Murmu is the fourteenth and current CAG of India.