

STAFF SELECTION COMMISSION
Multi Tasking (Non-Technical) Staff

SOLVED PAPER

(7th October 2021: Shift-3)

Time Allotted- 100 Minutes

Max marks- 100

Important Instructions:-

⇒ This paper contains 100 questions which are divided into 4 sections and each section contains 25 questions.

- ✓ General English
- ✓ General Intelligence & Reasoning
- ✓ Numerical Aptitude
- ✓ General Awareness

⇒ There will be 1 mark for each correct answer and also there will be a negative marking of 0.25 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 synonym of the given word.

ICONIC

1. Manageable 3. General
2. Unimportant 4. Exemplary

2. Select the most appropriate word to fill in the blank.

Remember that where there is a _____ there is a way.

1. willing 2. wills 3. willed 4. will

3. Identify the segment in the sentence which contains a grammatical error.

There was many people who voted for him.

1. there was 3. for him
2. who voted 4. many people

4. Select the most appropriate word to fill in the blank.

Going by the current pace of work, I _____ think this will finish by Sunday.

1. couldn't 2. don't 3. won't 4. shan't

5. Select the most appropriate word to fill in the blank.

In India, people of all religions and castes live together and they are _____ in spite of cultural differences.

1. confused 2. united 3. shared 4. learned

6. Identify the segment in the sentence which contains a grammatical error.

Sumit has decided to brought his car for the picnic.

1. to brought 3. for the picnic
2. has decided 4. his car

7. Select the most appropriate ANTONYM of the given word.

FRIEND

1. companion 2. partner 3. helper 4. foe

8. Select the most appropriate synonym of the given word.

FOWL

1. dirty 2. bird 3. mistake 4. unfair

9. Select the most appropriate ANTONYM of the given word.

CLEAR

1. Black 2. Murky 3. White 4. Clean

10. Select the most appropriate option to substitute the underlined segments in the given sentence. If there is no need to substitute them, select 'No substitution required'.

The lockdowns has give many parents and grandparents the opportunity to share some of my nostalgic memories with their children and grandchildren.

1. no substitution required 3. have given; of their
2. had gave; of his 4. have given; of her

11. Select the word which means the same as the group of words given.

One who leaves one's country to settle in another

1. Immigrant 2. Emigrant 3. Foreigner 4. Citizen

12. Identify the segment in the sentence which contains a grammatical error.

Since India has started doing well in hockey it had once again become a popular sport.

1. doing well 3. since India
2. it had once again 4. become a popular sport

13. Select the most appropriate meaning of the given idiom.

Raining cats and dogs

1. Facing light rain and wind
2. Raining very heavily
3. Having lots of pets around you
4. Worried about cats and dogs

14. Select the INCORRECTLY spelt word.

1. Amanable 3. Amiable
2. Amicable 4. Approachable

15. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

I rang up an old friend of mine but she doesn't pick out the phone.

1. no substitution required 3. isn't pick out
2. didn't pick up 4. wasn't picked up

16. Select the INCORRECTLY spelt word.

1. Fasting 2. Fabulus 3. Further 4. Farther

17. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

People are slowly returning to their normal routine after opening up of the lockdown.

1. no substitution required 3. closing up
2. opening down 4. closing

18. Select the most appropriate word to fill in the blank.
The teacher was very _____. She never let anyone play pranks in her class.
1. happy 2. jovial 3. lenient 4. strict
19. Select the most appropriate meaning of the given idiom.
How time flies!
1. Time seems to stay still
2. Difficult to pass time
3. A clock going very fast
4. Time seems to move quickly
20. Select the word which means the same as the group of words given.
Fear of closed spaces
1. Agoraphobia 3. Claustrophobia
2. Aquaphobia 4. Acrophobia

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.

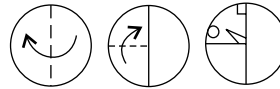
A computer programmer, sometimes (1)_____ a software developer, a programmer or more recently a coder, (2)_____ a person who creates computer software. The term 'computer programmer' can (3)_____ to a specialist in the area of computers, or to a generalist (4)_____ writes codes for many kinds of software. Some programmers who (5)_____ web programming languages add a prefix, a suffix, or both to every page's title.

21. Select the most appropriate option to fill in blank no. 1.
1. called 2. accepted 3. known 4. said
22. Select the most appropriate option to fill in blank no. 2.
1. were 2. has 3. was 4. is
23. Select the most appropriate option to fill in blank no. 3.
1. refer 2. know 3. mean 4. specify
24. Select the most appropriate option to fill in blank no. 4.
1. whom 2. that 3. who 4. which
25. Select the most appropriate option to fill in blank no. 5.
1. work with 3. study with
2. display at 4. work of

General Intelligence and Reasoning

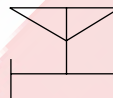
26. Three statements are followed by three conclusions numbered I, II and III. Assuming the statements to be true even if they seem to be at variance with the commonly known facts, decide which of the conclusion(s) logically follows/follow from the statements.
Statements:
1. All managers are employees.
2. All seniors are managers.
3. Some seniors are pensioners.
Conclusions:
I. Some pensioners are employees.
II. Some employees are pensioners.
III. All employees are seniors.
1. Only conclusion I follows
2. Only conclusions I and III follow
3. Only conclusions I and II follow
4. All conclusions I, II and III follow
27. Four girls A, B, C and D, and four boys P, Q, R and S, are sitting around a round table facing the centre.
i. No two girls or boys are sitting next to each other.

- ii. Q is sitting to the immediate left of B.
iii. S is sitting between A and D and is facing R.
Who is sitting between P and R?
1. A 2. B 3. C 4. D
28. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the figures below. How would the paper look when unfolded?



1. 3.
2. 4.

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



1. 3. 4.
- 2.

30. Select the option figure, which when placed in the blank space of the figure marked 'X', would complete the pattern.



1. 3. 4.
- 2.

31. Choose the set of numbers that is similar to the following set. (12, 18, 6)
1. (18, 9, 8) 3. (16, 12, 8)
2. (9, 14, 11) 4. (15, 13, 11)
32. 'Water' is related to 'Filter' in the same way as 'Film' is related to '_____'.
1. Casting 3. Censor
2. Director 4. Producer
33. If NATURE is coded as MCQYMK, then how would CREST be coded?
1. CPHOY 3. BTHKO
2. BTBOY 4. BTBWO

34. If the signs $-$ and $+$ are interchanged, then which of the following equations would be correct?
 1. $7 \times 3 + 9 - 6 = 17$ 3. $10 \div 5 - 10 + 5 = 8$
 2. $12 + 3 \times 2 - 4 = 10$ 4. $9 - 6 \times 2 + 8 = 11$
35. 'Cataract' is related to 'Ophthalmology' in the same way as 'Neurosis' is related to '_____'.
 1. Neurology 3. Psychology
 2. Sociology 4. Biology
36. Seven different coloured books are kept one after the other.
 i. The RED book is just on the top of the ORANGE book.
 ii. The BLUE book is between the GREEN and the YELLOW books.
 iii. The VIOLET book is between the GREEN and the BLACK books.
 iv. There are as many books between the GREEN and the RED books as there are between the BLACK and the BLUE books.

If the YELLOW book is on the top, which book is exactly in the middle?

1. ORANGE 2. RED 3. VIOLET 4. GREEN
37. Which letter-cluster will replace the question mark (?) in the following series?
 BDF, HKN, PRT, VYB, DFH, ?
 1. JMP 2. KNQ 3. JLN 4. JLK
38. Two statements are followed by two conclusions numbered I and II. Assuming the statements to be true even if they seem to be at variance with the commonly known facts, decide which of the conclusion(s) logically follows/follow from the statements.

Statements:

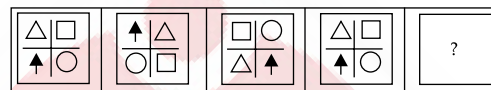
1. All hostels are buildings.
 2. Some buildings are palaces.

Conclusions:

- I. Some palaces are hostels.
 II. No palace is a hostel.
 1. Either conclusion I or II follows
 2. Only conclusion II follows
 3. Both conclusions I and II follow
 4. Only conclusion I follows

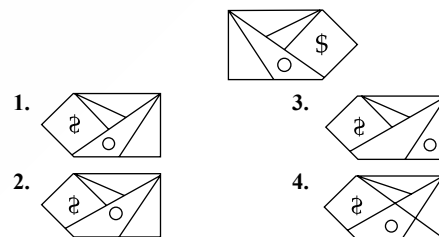
39. If PEARS is coded as 101 and CAT is coded as 49, then how would MEAL be coded?
 1. 73 2. 77 3. 634. 31
40. If PAYMENT is coded as 7174552, then how would YOUNGER be coded?
 1. 7153540 2. 2121751 3. 7635759 4. 5514758
41. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.
 SPIKE : QRHDL :: JINGO : ?
 1. HKOPF 2. JIMNH 3. KLMNE 4. MNHIJ
42. Select the number-pair in which the two numbers are related in the same way as the two numbers of the pair given below.
 11 : 72
 1. 9 : 48 2. 3 : 7 3. 7 : 32 4. 15 : 95
43. Which number will replace the question mark (?) in the following number series?
 2, 3, 6, 10, 17, ?
 1. 30 2. 25 3. 28 4. 27
44. Which number will replace the question mark (?) in the following number series?
 3, 7, 22, 45, 136, ?, 820
 1. 293 2. 517 3. 273 4. 409

45. If HOARDING is coded as NGQZHC FM, then how would TREATISE be coded?
 1. QSSHDZRD 3. SUBFJUET
 2. DQSHSZDR 4. QSZDHS DR
46. Which two signs should be interchanged to make the given equation correct?
 $8 + 6 \times 4 \div 2 - 10 = 6$
 1. $+$ and \times 2. \times and $-$ 3. \times and \div 4. $-$ and $+$
47. P, Q, R, S, T, U and V are standing in a queue.
 i. T is just behind P.
 ii. V is just in front of Q, who is not the last person.
 iii. S is between P and R.
 iv. There is one person between T and
 Who is the last person in the queue?
 1. Q 2. S 3. U 4. T
48. Which figure will replace the question mark (?) in the following figure series?



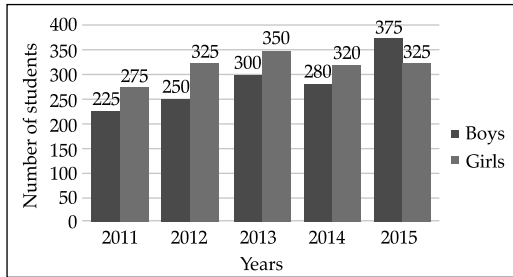
- 1.
- 2.
- 3.
- 4.

49. Select the Venn diagram that best illustrates the relationship among the following classes.
 Females, Relatives, Uncles
- 1.
- 2.
- 3.
- 4.
50. Select the mirror image of the figure, when the mirror is placed on the right side of the figure.



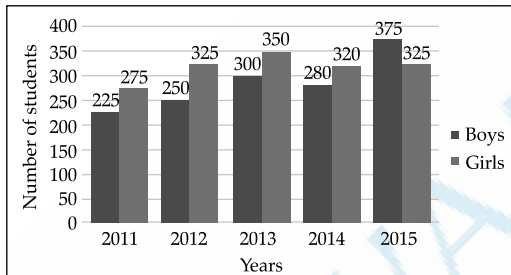
Numerical Aptitude

51. If the radius of a circle is increased by 23%, then by what percentage will its area increase?
 1. 41.61% 2. 51.29% 3. 27.89% 4. 32.85%
52. Study the following graph that shows the number of boys and girls who appeared for the class X examination in a school XYZ, in different years.



The average of the number of boys who appeared in 2011, 2013 and 2015 is what percentage less than the number of girls who appeared in 2014?

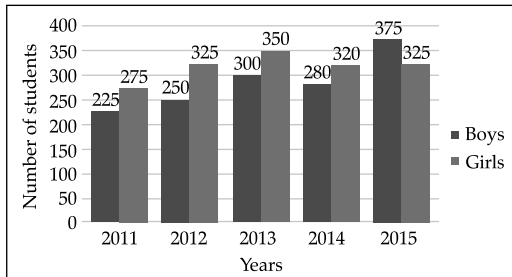
1. 8.15% 2. 7.75% 3. 6.25% 4. 6.5%
53. A sum of money is distributed among P, Q, R and S in the ratio 3 : 4 : 5 : 6, respectively. If R gets ₹500 more than P, then the sum of all their shares (in ₹) is:
1. 6,000 2. 4,500 3. 7,500 4. 5,000
54. A car travels a distance of x km at a speed of $5\frac{5}{9}$ m/sec and returns at 5 m/sec to the starting point. If the total time taken by the car is $7\frac{3}{5}$ hours, then the value of $(x + 3)$ is:
1. 78 2. 80 3. 75 4. 72
55. The ratio of the speeds of two trains is 5 : 8. If the second train runs 600 km in 4 hours, then the speed of the first train (in km/h) is:
1. 25.5 2. 62.5 3. 37.75 4. 93.75
56. Study the following graph that shows the number of boys and girls who appeared for the Class X examination in a school XYZ, in different years.



The total number of girls who appeared in 2012, 2013, 2014 and 2015 is what percentage less than the total number of boys who appeared in all the five years? (correct to one decimal place)

1. 6.6% 2. 9.7% 3. 10.1% 4. 7.7%
57. The total number of students in class A and B is 72. The number of students in A is 40% more than that in B. The average marks of students in B are 50% more than that of students in A. If the average of all the students in A and B are 58, then what are the average marks of students in A?
1. 58 2. 72 3. 50 4. 48
58. There are three positive numbers. If the average of any two of them is added to the third number, the resulting sums are 154, 148 and 132. The sum of the original three numbers is:
1. 222 2. 231 3. 246 4. 217
59. A sum of money doubled itself at a certain rate of compound interest in 10 years. In how many years will it become eight times?
1. 15 2. 30 3. 45 4. 25

60. If the annual rate of simple interest from 8% to $12\frac{1}{2}\%$, a person's yearly income increased by 639. The principal amount (in ₹) is:
1. 14,200 2. 8,200 3. 12,500 4. 11,250
61. 'A' can complete 40% of a work in 6 days, while 'B' can complete the work in $7\frac{1}{2}$ days. If they work together, then in how many days will the work be completed?
1. 4 2. 7 3. 6 4. 5
62. The marked price of an article is 5,450. If a person earns a profit of 15% after allowing a discount of 15%, then the cost price (in ₹) (correct to the nearest integer) of the article is:
1. 4,498 2. 4,189 3. 4,289 4. 4,028
63. When an article is sold for ₹388, there is a loss of 3%. What is the selling price (in ₹) of the article, if it is sold at a gain of 18%?
1. 444 2. 472 3. 432 4. 460
64. The sum of the cost prices of two bikes is ₹50,000. The first bike was sold at a profit of 20% and second bike at a loss of 20%. If the selling prices are the same, what is the cost price (in ₹) of the second bike?
1. 25,000 2. 20,000 3. 30,000 4. 27,000
65. The value of $0.2 \div 0.025 + 39 + 0.92 \div 0.2 \times 5 - 4.9 \div 0.07$ is:
1. 0.5 2. 0 3. 1 4. 0.15
66. If the HCF of two numbers is 6 and LCM of the same two numbers is 54, then the square root of the product of these numbers is:
1. 14 2. 18 3. 12 4. 16
67. Simplify the following expression.
- $$\frac{\frac{3}{7} + 1\frac{2}{3} \times 6 - \left(3\frac{1}{2} \div \frac{3}{5} \text{ of } \frac{7}{9}\right) \text{ of } \frac{2}{3}}{\frac{1}{7} \left(4 \div \frac{1}{5} \text{ of } 10\right) - 3}$$
1. -2 2. -38 3. 2 4. $-\frac{71}{57}$
68. When x is subtracted from each of 21, 22, 60 and 64, the numbers so obtained in the order are in proportion. What is the mean proportional $(x + 4)$ and $\left(\frac{x}{2} - 1\right)$?
1. 8 2. 5 3. 6 4. 12
69. The ratio of boys and girls in a school is 35 : 39. If the average of boys and girls in the school is 740, then the number of boys in the school is:
1. 780 2. 720 3. 700 4. 740
70. 'A' can complete a work in 15 days and 'B' can complete the same work in 20 days. Working together, in how many days will they complete 70% of the same work?
1. 7 2. 6 3. 5 4. 8
71. Study the following graph that shows the number of boys and girls who appeared for the Class X examination in a school XYZ, in different years.



What is the ratio of the total number of girls who appeared in 2012 and 2015 to the total number of boys who appeared for the class X examination in 2012 and 2013?

1. 11 : 13 2. 15 : 11 3. 11 : 15 4. 13 : 11
72. A raw data is in ascending order, i.e. 3, 4, 7x, x + 1, 12, 13, 15. If the median of this data is 9.5, then x is equal to:
1. 7.5 2. 8.5 3. 8 4. 9
73. A tank is 25 m long, 12 m wide and 6 m deep. The cost (in ₹) of plastering its walls and bottom at ₹10 per m² is:
1. 11,160 2. 12,500 3. 6,275 4. 7,440
74. In constituency, 60% of the voters are males and the rest are females, 40% of the males are illiterate and 25% of the females are literate. By what percentage is the number of illiterate males more than that of literate females?
1. 120% 2. 115% 3. 140% 4. 125%
75. If the length of a rectangle is increased by 40%, what would be the percentage decrease (correct to one place of decimal) in the width to maintain the same area?
1. 37.5% 2. 33.5% 3. 28.6% 4. 42.5%

General Awareness

76. Which of the following was NOT included in the definition of 'children' by the Maintenance and Welfare of Parents and Senior Citizens Act, 2007?
1. Adult son 3. Minor son
2. Adult daughter 4. Adult grandson
77. About 50% of the _____ Basin lies in Maharashtra.
1. Godavari 2. Kaveri 3. Mahanadi 4. Narmada
78. Which of the following cricketers was described as 'Mr. Incredible' by the captain of the England Test Cricket team in July 2020?
1. Jason Roy 3. Chris Woakes
2. Stuart Broad 4. Ben Stokes
79. The Oudh Kisan Sabha was set up in the year _____.
1. 1918 2. 1920 3. 1921 4. 1924
80. 'Boy : Tales of Childhood' is an autobiographical book by _____.
1. Mark Twain 3. Roald Dahl
2. Ruskin Bond 4. Lewis Carroll
81. Part _____ of the Constitution of India provides for freedom of trade and commerce within the country.
1. 20 2. 10 3. 15 4. 13
82. Rathwa ni Gher is a dance performed on the occasion of _____ by the Rathwa tribe of Gujarat.
1. Janmashtami 3. Makar Sankranti
2. Holi 4. Dussehra
83. The _____ is celebrated at Shilpgram in February every year.
1. Taj Mahotsav 3. Tansen Music Festival
2. Natyanjali Nritya Utsav 4. Ziro Festival
84. India's average exponential growth rate (population) for the period 2001-2011 was _____% per annum.
1. 3.82 2. 1.64 3. 0.46 4. 2.38
85. Which of the following palaces is located in Thiruvananthapuram?
1. Chowmahalla Palace 3. Ujjayanta Palace
2. Amber Palace 4. Kanakakkunnu Palace
86. Pandit Madan Mohan Malviya is credited with popularising the slogan '_____'.
1. Vande Mataram 3. Jai Jawan Jai Kisan
2. Inquilab Zindabad 4. Satyameva Jayate
87. Which Indian state recorded the highest GST revenue collection for December 2019?
1. Gujarat 3. Karnataka
2. Punjab 4. Maharashtra
88. Which of the following environmentalists was awarded the Stockholm Water Prize in 2015?
1. Vandana Shiva 3. Tulsi Gowda
2. Anadish Pal 4. Rajendra Singh
89. Which of the following is NOT a part of the hind-brain?
1. Pons 3. Cerebellum
2. Medulla 4. Hypothalamus
90. _____ succumbed to injuries inflicted on him during a peaceful demonstration against the Simon Commission.
1. Bal Gangadhar Tilak 3. Bipin Chandra Pal
2. Gopal Krishna Gokhale 4. Lala Lajpat Rai
91. Which microorganism among the following causes Cholera?
1. Fungi 2. Bacteria 3. Protozoa 4. Virus
92. Which of the following statements is INCORRECT?
1. The liver secretes bile.
2. The liver is the largest gland in the body.
3. The liver is situated in the upper part of the abdomen on the left side.
4. The liver is reddish brown in colour.
93. The 'Clean Note Policy' was announced by the Reserve Bank of India in the year _____.
1. 1992 2. 1999 3. 1997 4. 1995
94. Gandhiji delivered the famous 'Do or Die' speech on _____.
1. 14th July 1942 3. 24th September 1942
2. 23rd March 1942 4. 8th August 1942
95. The absolute refractive index of _____ is 2.42.
1. air 3. crown glass
2. diamond 4. water
96. 'PENCIL' is an acronym for _____, an electronic portal launched by the Government of India in September 2017.
1. Platform for Effective Enforcement for No Child Labour
2. Paradigm for Enforcement of Equality for Needy Child Labourers
3. Promulgation of Exhaustive Education for Normal & Comprehensive Learning
4. Protocol for Easy Education & Novel Creative Learning
97. Which of the following dams is located in Madhya Pradesh?
1. Tawa 2. Ujjani 3. Koyna 4. Isapur
98. National Waterway-1 of India covers:
1. Haldia-Allahabad stretch of the Ganga-Bhagirathi-Hooghly river
2. Assam-Mizoram stretch of Barak river
3. Sadiya-Dhubri stretch of the Brahmaputra river
4. Kollam-Kottapuram stretch of West Coast Canal and Champakara and Udyogmandal canals.
99. Which of the following is NOT an Olympic event?
1. Rhythmic gymnastics 3. Acrobatic gymnastics
2. Artistic gymnastics 4. Trampoline gymnastics
100. All acids generate _____ gas on reacting with metals.
1. hydrogen 2. nitrogen 3. chlorine 4. oxygen

Answer Key

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

Answers with Explanations

1. **Option (4) is correct.**
The term 'iconic' means 'widely known and acknowledged especially for distinctive excellence'. All options, except (4) are antonyms of the given word. So, the correct synonym is 'exemplary' (outstanding).
2. **Option (4) is correct.**
The correct sentence is: Remember that where there is a will there is a way. Will refers to a fixed and persistent intent or purpose; willing is ready to do something that is not (can't be expected as) a matter of course while willed is having a document specifying inheritance. In the given sentence the blank requires a noun, not a participle form of verb. So 'will' is the most appropriate choice.
3. **Option (1) is correct.**
The correct sentence is: There were many people who voted for him. Here, 'There were' will replace 'There was'. Since the subject is plural (many people), the verb will also be in plural (were).
4. **Option (2) is correct.**
The correct sentence is: Going by the current pace of work, I don't think this will finish by Sunday. Sometimes simple present tense is used to denote the future period. Here, the first person 'I' will take 'do not/don't' to suggest that one is making the statement in an unwilling way.
5. **Option (2) is correct.**
The correct sentence is: In India, people of all religions and castes live together and they are united in spite of cultural differences. 'United' means 'joined together politically, for a common purpose, or by common feelings.' The sentence states that people of all religions and castes live together undivided irrespective of cultural differences.
6. **Option (1) is correct.**
The correct sentence is: Sumit has decided to bring his car for the picnic. By rule, the infinitive form 'to' takes the base form of verb. So 'bring' is appropriate, 'brought' is the past form of bring, therefore, incorrect. Here, 'to bring' will replace 'to brought'.
7. **Option (4) is correct.**
The term 'friend' means 'a companion, helper, partner'. All options, except (4) are antonyms of the given word. So, the correct synonym is 'foe' (enemy).
8. **Option (2) is correct.**
'Fowl' is 'a domestic cock or hen.' So 'bird' is correct.
9. **Option (2) is correct.**
'Clear' is synonymous to being clean. The antonym is 'murky' (unclear).
10. **Option (3) is correct.**
The correct sentence is: The lockdowns have given many parents and grandparents the opportunity to share some of their nostalgic memories with their children and grandchildren. Here, 'has give' will be replaced by 'have given'. This is because, the subject is plural 'lockdowns', so the verb will be plural 'have'. The present perfect tense is in the structure: has/have + past participle. Moreover, the pronoun 'their' is appropriate because it refers to 'parents and grandparents'.
11. **Option (2) is correct.**
Immigrant is a person who comes to live permanently in a foreign country. Emigrant is a person who leaves their own country in order to settle permanently in another. Foreigner is a person born in or coming from a country other than one's own. Citizen is an inhabitant of a particular town or city. So 'emigrant' is correct.
12. **Option (2) is correct.**
The correct sentence is: Since India has started doing well in hockey it has once again become a popular sport. The sentence is in present tense 'has started doing well', therefore, the second clause will also be in present perfect, and we use this tense when we want to talk about unfinished actions or states or habits that started in the past and continue to the present. Hence, 'has once again' is correct.
13. **Option (2) is correct.**
The correct sentence is: The English-language idiom "raining cats and dogs" is used to describe particularly heavy rain. Example: Don't forget to take your umbrella - it's raining cats and dogs out there.
14. **Option (1) is correct.**
'Amanable' is incorrectly spelt. It will be spelled as 'amenable' (open and responsive to suggestion).
15. **Option (2) is correct.**
The correct sentence is: I rang up an old friend of mine but she didn't pick up the phone. The phrasal verb 'pick up', here means to answer the phone. While 'pick out' implies distinguish someone or something from a group. The sentence being in past tense, will take the past form of 'do', that is why 'did' is appropriate. So 'didn't pick up' is the correct phrase.
16. **Option (2) is correct.**
'Fabulus' has been incorrectly spelled, it will be spelled as 'fabulous'.
17. **Option (1) is correct.**
The correct sentence is: People are slowly returning to their normal routine after opening up of the lockdown. The sentence is grammatically correct. No substitution required.

18. Option (4) is correct.

The correct sentence is: The teacher was very strict. She never let anyone play pranks in her class. A person who is strict, is demanding that rules concerning behaviour are obeyed and observed. 'Lenient' is someone more merciful or tolerant than expected. Since, the teacher never let anyone play pranks in her class, she must have been stringent.

19. Option (4) is correct.

Time seems to move quickly. If you say that time flies, you mean that it seems to pass very quickly. Example: My cousins had come for two days, it seemed that the days started and ended soon. How time flies!

20. Option (3) is correct.

Agoraphobia- Fear of places and situations that might cause panic, helplessness or embarrassment. People with aquaphobia have a fear of water. Claustrophobia is an intense fear of confined or enclosed spaces. Acrophobia is an extreme or irrational fear or phobia of heights, especially when one is not particularly high up. Claustrophobia.

21. Option (1) is correct.

The correct sentence is: A computer programmer, sometimes called software developer. 'Called' means another name for. That is to say, a computer programmer is also known as a software developer.

22. Option (4) is correct.

The correct sentence is: a programmer or more recently a coder, is a person who creates computer software. The sentence expresses a fact, so it will take a present tense. The correct verb is 'is'.

23. Option (1) is correct.

The correct sentence is: The term computer programmer can refer to a specialist in one area of computers or to a generalist who writes code for many kinds of software. 'Refer' means to mention or allude to. Therefore, the term computer programmer alludes to a specialist in one area of computers .

24. Option (3) is correct.

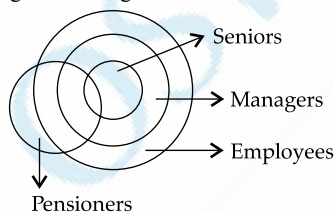
The correct sentence is: to a generalist who writes codes for many kinds of software. Here, 'who' is the appropriate pronoun, because 'who' is used to refer to the subject of the sentence 'generalist'.

25. Option (1) is correct.

The correct sentence is: Some programmers who work with web programming languages add a prefix, a suffix, or both to every page's title. 'Work with' means to cooperate with someone in order to perform some task, activity, responsibility, etc. the sentence refers to the act of some programmers cooperating with web programming languages.

26. Option (3) is correct.

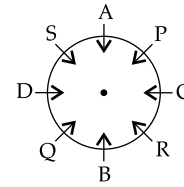
The venn diagram of the given statements is as follows:



From conclusion I: Some pensioners are employees is true.
 From conclusion II: Some employees are pensioners is also true.
 From conclusion III: All employees are seniors is false.
 Therefore, only conclusions I and II follow.

27. Option (3) is correct.

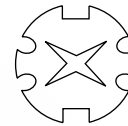
The sitting arrangement of four girls and four boys around a round table facing the centre is as follows:



From the above arrangements, C is sitting between P and R.

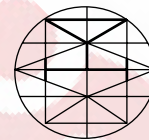
28. Option (1) is correct.

After unfolding the paper, it would appear as shown below:



29. Option (1) is correct.

The option figure (1) in which the figure is embedded is as follows:



30. Option (3) is correct.

Option figure (3) will complete the given figure as shown below.



31. Option (3) is correct.

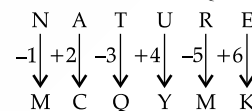
Given that: (12, 18, 6)
 $12 + 18 + 6 = 36$
 Here, the total sum of the given numbers is 36.
 Similarly, (16, 12, 8)
 $16 + 12 + 8 = 36$

32. Option (3) is correct.

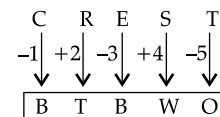
As water is filtered to remove impurities. Similarly, film is censored to remove certain scenes.

33. Option (4) is correct.

Given that: NATURE is coded as MCQYMK



Similarly, CREST is coded in the same way



Hence, CREST will be coded as BTBWO.

34. Option (2) is correct.

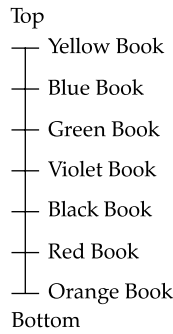
From option (2) upon interchanging signs, we have
 $12 - 3 \times 2 + 4 = 10$
 $\Rightarrow 12 - 6 + 4 = 10$
 $\Rightarrow 6 + 4 = 10$
 $\Rightarrow 10 = 10$
 LHS = RHS

35. Option (3) is correct.

As cataract is related to ophthalmology. In the same way, neurosis is related to psychology.

36. Option (3) is correct.

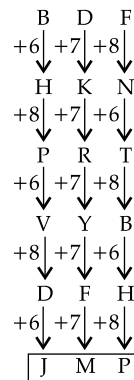
The arrangement of seven different coloured books is as follows:



Therefore, if the yellow book is on top, then the violet book is exactly in the middle of the seven books.

37. Option (1) is correct.

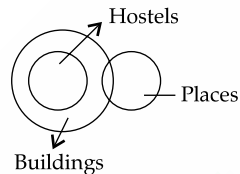
The pattern of the given series is as follows:



Therefore, JMP will complete the series.

38. Option (1) is correct.

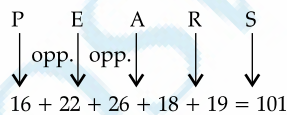
The venn diagram of the given statements is as follows:



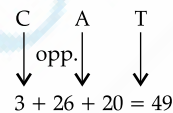
From conclusion I: Some places are hostels can be true.
From conclusion II: No place is a hostel can also be true.
Therefore, either conclusion I or II follows.

39. Option (1) is correct.

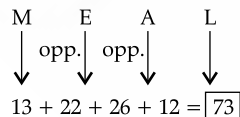
Given that: PEARS is coded as 101



And, CAT is coded as 49



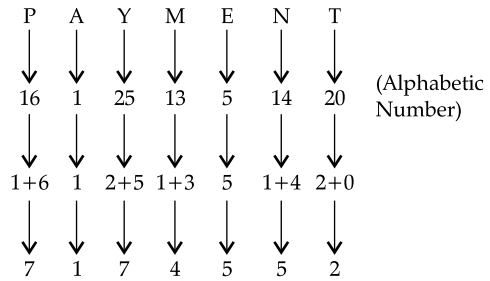
Similarly, MEAL is coded in the same way



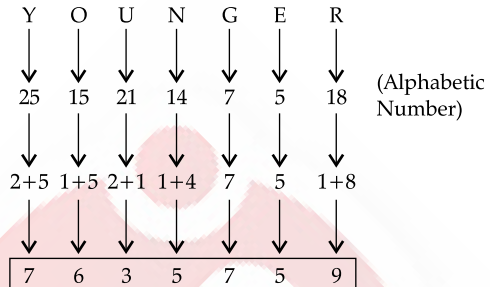
Therefore, MEAL will be coded as 73.

40. Option (3) is correct.

Given that: PAYMENT is coded as 7174552



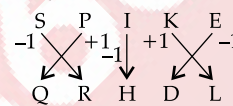
Similarly, YOUNGER is coded in the same way



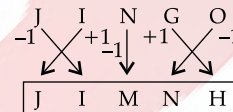
Therefore, YOUNGER will be coded as 7635759.

41. Option (2) is correct.

Given that: SPIKE : QRHDL



Similarly, JINGO is written in the same way



Therefore, JINGO will be written as JIMNH.

42. Option (3) is correct.

Given that: 11 : 72

$$(11 + 1)^2 \div 2$$

$$(12)^2 \div 2$$

$$144 \div 2 = 72$$

Similarly, 7 : 32

$$(7 + 1)^2 \div 2$$

$$(8)^2 \div 2$$

$$64 \div 2 = 32$$

43. Option (3) is correct.

The pattern of the series is as follows:

$$2 + 1 = 3$$

$$2 + 3 + 1 = 6$$

$$6 + 3 + 1 = 10$$

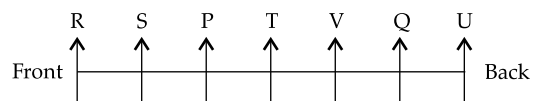
$$10 + 6 + 1 = 17$$

$$17 + 10 + 1 = 28$$

Therefore, 28 will complete the series.

44. Option (3) is correct.

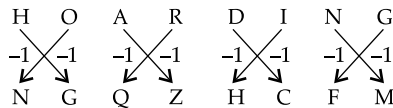
The pattern of the given series is as follows:



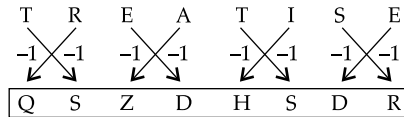
Therefore, 273 will complete the series.

45. Option (4) is correct.

Given that: HOARDING is coded as NGQZHC FM



Similarly, TREATISE is coded in the same way



Therefore, TREATISE will be coded as QSZDHS DR.

46. Option (4) is correct.

Given expression:

$$8 + 6 \times 4 \div 2 - 10 = 6$$

Upon checking option (4) and interchanging signs, we have:

$$8 - 6 \times 4 \div 2 + 10 = 6$$

$$\Rightarrow 8 - 6 \times 2 + 10 = 6$$

$$\Rightarrow 8 - 12 + 10 = 6$$

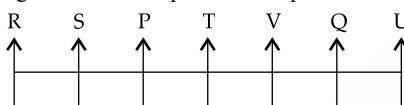
$$\Rightarrow 18 - 12 = 6$$

$$\Rightarrow 6 = 6$$

LHS = RHS

47. Option (3) is correct.

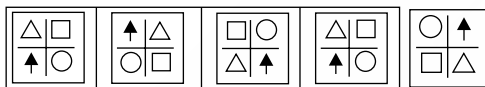
The arrangement of seven persons in a queue is as follows:



From the above arrangements, U will be the last person in the queue.

48. Option (4) is correct.

The pattern of the figure series is as follows:



Hence, option (4) is the correct answer.

49. Option (1) is correct.

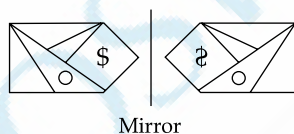
The best-suited venn diagram is as follows:



All uncles are relatives but some of them may be female. Hence, option (1) is the correct answer.

50. Option (1) is correct.

The mirror image of the given figure is as follows:



51. Option (2) is correct.

$$23\% = \frac{23}{100}$$

$$\text{Area of circle} = \pi r^2$$

$$\text{Original } r = 100$$

$$\text{new } r = 123$$

percentage increase in area

$$= \frac{\text{New area} - \text{Original area}}{\text{Original area}} \times 100$$

$$= \frac{\pi(123)^2 - \pi(100)^2}{\pi(100)^2} \times 100$$

$$= \frac{\pi \times 23 \times 223}{\pi \times 100 \times 100} \times 100$$

$$= 51.29\%$$

52. Option (3) is correct.

Average number of boys who appeared in 2011, 2013, 2015

$$= \frac{225 + 300 + 375}{3} = 300$$

Number of girls who appeared in 2014 = 320

$$\text{Required \%} = \frac{320 - 300}{320} \times 100$$

$$= \frac{20}{320} \times 100$$

$$= 6.25\%$$

53. Option (2) is correct.

Let P gets = 3x

Let Q gets = 4x

Let R gets = 5x

Let S gets = 6x

According to question

$$5x - 3x = ₹ 500$$

$$\Rightarrow 2x = ₹ 500$$

$$\Rightarrow x = ₹ 250$$

Sum of all their shares = 3x + 4x + 5x + 6x

$$= 18x = 18 \times 250$$

$$= ₹ 4500$$

54. Option (3) is correct.

$$\text{Speed while going} = \frac{50 \left(\frac{\text{m}}{\text{sec}} \right)}{9} = \frac{50 \left(\frac{18}{5} \right)}{9} = \frac{20 \text{ km}}{\text{hour}}$$

$$\text{Speed while returning} = 5 \left(\frac{18}{5} \right) = \frac{18 \text{ km}}{\text{hour}}$$

$$\text{Time} = \frac{\text{Distance}}{\text{Speed}}$$

$$\Rightarrow \frac{38}{5} = \frac{x}{20} + \frac{x}{18}$$

$$\Rightarrow \frac{38}{5} = \frac{18x + 20x}{18 \times 20}$$

$$\Rightarrow x = \frac{38 \times 18 \times 20}{5 \times 38}$$

$$\Rightarrow x = 72$$

$$\text{Value of } x + 3 = 72 + 3 = 75$$

55. Option (4) is correct.

Let the speed of the 1st train be $5x \frac{\text{km}}{\text{h}}$

Let the speed of the 2nd train be $8x \frac{\text{km}}{\text{h}}$

According to question

$$8x = \left(\frac{6400}{4} \right)$$

$$\Rightarrow x = \frac{600}{32} = 18.75$$

So, the speed of the 1st train = 18.75 × 5 = 93.75 km/h

56. Option (4) is correct.

Total number of girls who appeared in 2012, 2013, 2014 and 2015 = 325 + 350 + 320 + 325 = 1320

Total number of boys who appeared in all year = 225 + 250 + 300 + 280 + 375 = 1430

$$\begin{aligned} \text{Required \%} &= \frac{1430 - 1320}{1430} \times 100 \\ &= 7.7\% \end{aligned}$$

57. Option (4) is correct.

Let the number of students in class B is x

Then the number of students in class A will be = $1.4x$

Let the average marks of students in class A is y

Then the average number of students in class B will be = $1.5y$

Now average given = 58

$$\text{Hence, } \frac{1.4x + y + x + 1.5y}{x + 1.4x} = 58$$

$$\Rightarrow \frac{1.4x + 1.5y}{1 + 1.4} = 58$$

$$y = 48$$

58. Option (4) is correct.

Let the 3 numbers be x, y and z

$$\frac{x + y}{2} + z = 154 \quad \dots(1)$$

$$\frac{y + z}{2} + x = 148 \quad \dots(2)$$

$$\frac{z + x}{2} + y = 132 \quad \dots(3)$$

Adding equation 1, 2 and 3

$$\frac{2(x + y + z)}{2} + x + y + z = 434$$

$$\Rightarrow 2(x + y + z) = 434$$

$$\Rightarrow x + y + z = 217$$

59. Option (2) is correct.

Let's assume that after T years, it will become 8 times

$$2P = P \left(1 + \frac{R}{100} \right)^{10}$$

$$\Rightarrow 2 = \left(1 + \frac{R}{100} \right)^{10} \quad \dots(1)$$

Now,

$$8P = P \left(1 + \frac{R}{100} \right)^t$$

$$\Rightarrow 2^3 = \left(1 + \frac{R}{100} \right)^t$$

From equation 1

$$\left[\left(1 + \frac{R}{100} \right)^{10} \right]^3 = \left(1 + \frac{R}{100} \right)^t$$

$$\Rightarrow \left(1 + \frac{R}{100} \right)^{30} = \left(1 + \frac{R}{100} \right)^t$$

On comparing both the sides

$$t = 30 \text{ years}$$

60. Option (1) is correct.

$$\text{Increased amount} = \frac{P \times R_1 \times T}{100} - \frac{P \times R_2 \times T}{100}$$

$$\Rightarrow 639 = \frac{P \times 12.5 \times 1}{100} - \frac{P \times 8 \times T}{100}$$

$$\Rightarrow 63900 = 12.5P - 8P$$

$$\Rightarrow 63900 = 4.5P$$

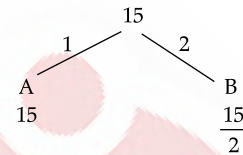
$$\Rightarrow P = \frac{63900}{4.5} = ₹14,200$$

61. Option (4) is correct.

A can complete $\frac{40}{100}$ work in 6 days

A can complete 1 work = $\frac{6 \times 100}{40} = 15$ days

B can complete 1 work in $\frac{15}{2}$ days



Total work = 15 unit

1 day work of A and B = 1 + 2 = 3 unit

Number of days when they work together

$$= \frac{15}{3} = 5 \text{ days}$$

62. Option (4) is correct.

$$\frac{MP}{CP} = \frac{100 + \text{Profit}\%}{100 - \text{Discount}\%} = \frac{100 + 15}{100 - 15}$$

$$\Rightarrow \frac{5450}{CP} = \frac{115}{85}$$

$$\Rightarrow CP = \frac{5450 \times 85}{115} = ₹4028$$

63. Option (2) is correct.

SP = ₹ 388, Loss = 3%

$$\text{Loss \%} = \frac{CP - SP}{CP} \times 100$$

$$\Rightarrow 3 = \frac{CP - 388}{CP} \times 100$$

$$\Rightarrow 3CP = 100CP - 38800$$

$$\Rightarrow 97CP = 38800$$

$$\Rightarrow CP = \frac{38800}{97}$$

$$\begin{aligned} \text{New, } SP &= CP \times \frac{118}{100} \\ &= \frac{38800}{97} \times \frac{118}{100} = ₹472 \end{aligned}$$

64. Option (3) is correct.

Let CP of 2nd bike = ₹ x

Let CP of 1st bike = ₹ $(50,000 - x)$

$$\frac{120}{100} (50,000 - x) = \frac{80}{100} x$$

$$\Rightarrow 3(50,000 - x) = 2x$$

$$\Rightarrow 150,000 - 3x = 2x$$

$$\Rightarrow 5x = 150000$$

$$\Rightarrow x = 30000$$

$$\text{CP of 2nd bike} = ₹ 30000$$

65. Option (2) is correct.

$$\begin{aligned} 0.2 \div 0.025 + 39 + 0.92 \div 0.2 \times 5 - 4.9 \div 0.07 \\ = 8 + 39 + 4.6 \times 5 - 70 = 8 + 39 + 23 - 70 \\ = 70 - 70 = 0 \end{aligned}$$

66. Option (2) is correct.

$$\begin{aligned} \text{LCM} \times \text{HCF} &= 1^{\text{st}} \text{ number} \times 2^{\text{nd}} \text{ number} \\ 54 \times 6 &= 1^{\text{st}} \text{ number} \times 2^{\text{nd}} \text{ number} \\ \text{Square root of } 1^{\text{st}} \text{ number} \times 2^{\text{nd}} \text{ number} \\ &= \sqrt{324} = 18 \end{aligned}$$

67. Option (1) is correct.

$$\begin{aligned} &\frac{\left[\frac{3}{7} + 1\frac{2}{3} \times 6 - \left(3\frac{1}{2} \div \frac{3}{5} \text{ of } \frac{7}{9} \right) \text{ of } \frac{2}{3} \right]}{\left[\frac{1}{7} \left(4 \div \frac{1}{5} \text{ of } 10 \right) - 3 \right]} \\ &= \frac{\left[\frac{3}{7} + \frac{5}{3} \times 6 - \left(\frac{7}{2} \div \frac{7}{15} \right) \text{ of } \frac{2}{3} \right]}{\left[\frac{1}{7} (4 \div 2) - 3 \right]} \\ &= \frac{\left[\frac{3}{7} + \frac{5}{3} \times 6 - \left(\frac{7}{2} \times \frac{15}{7} \right) \text{ of } \frac{2}{3} \right]}{\left[\frac{1}{7} (2) - 3 \right]} \\ &= \frac{\left[\frac{3}{7} + 10 - \frac{15}{2} \text{ of } \frac{2}{3} \right]}{\left[\frac{2}{7} - 3 \right]} \\ &= \frac{\left[\frac{3}{7} + 10 - 5 \right]}{\left[\frac{2-21}{7} \right]} \\ &= \frac{\left[\frac{3}{7} + 5 \right]}{\left[\frac{-19}{7} \right]} = \frac{[3+35]}{\left[\frac{-19}{7} \right]} \\ &= \frac{38}{-19} = -2 \end{aligned}$$

68. Option (3) is correct.

$$\begin{aligned} \frac{21-x}{22-x} &= \frac{60-x}{64-x} \\ \Rightarrow 21 \times 64 - 64x - 21x + x^2 &= 60 \times 22 - 22x - 60x + x^2 \\ \Rightarrow 1344 - 85x &= 1320 - 82x \\ \Rightarrow 1344 - 1320 &= 85x - 82x \\ \Rightarrow 24 &= 3x \\ \Rightarrow x &= 8 \end{aligned}$$

$$\begin{aligned} \text{Mean Proportional} &= \sqrt{(x+4) \left(\frac{x}{2} - 1 \right)} \\ &= \sqrt{(8+4) \left(\frac{8}{2} - 1 \right)} \\ &= \sqrt{12 \times 3} \\ &= \sqrt{36} = 6 \end{aligned}$$

69. Option (3) is correct.

Let the number of boys = 35x
Let the number of girls = 39x

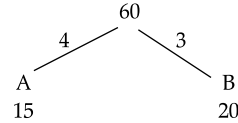
Average of boys and girls = 740

Total number of boys and girls = 740 × 2 = 1480

$$\Rightarrow 74x = 1480$$

$$\Rightarrow x = \frac{1480}{74} = 20$$

Hence, number of boys = 35 × 20 = 700

70. Option (2) is correct.

Working together A and B will complete the work

$$= \frac{60}{4+3} = \frac{60}{7} \text{ days}$$

$$100\% \text{ of work} = \frac{60}{7} \text{ days}$$

$$70\% \text{ of work} = \frac{60}{7 \times 100} \times 70 = 6 \text{ days}$$

71. Option (4) is correct.

Total number of girls who appeared in 2012 and 2015 = 325 + 350 = 675

Total number of boys who appeared in 2012, 2013 = 250 + 300 = 550

$$\text{Required ratio} = \frac{675}{550} = 13 : 11$$

72. Option (4) is correct.

$$n = 8$$

$$\text{Median} = \frac{\left[\left(\frac{n}{2} \right) \text{th} + \left(\frac{n}{2} + 1 \right) \text{th} \right]}{2}$$

$$\Rightarrow 9.5 = \frac{4\text{th} + 5\text{th}}{2}$$

$$\Rightarrow 19 = (x + x + 1)$$

$$\Rightarrow 19 - 1 = 2x$$

$$\Rightarrow x = \frac{18}{2}$$

$$\Rightarrow x = 9$$

73. Option (4) is correct.

Area of 4 walls + Area of bottom

= 2 height (length + breadth) + length × Breadth

= 2 × 6 × (25 + 12) + (25 × 12)

= 444 + 300 = 744

Cost of painting = 744 × 10

= ₹ 7,440

74. Option (3) is correct.

Male voters = 60%

Female voters = 40%

$$\% \text{ of male illiterate} = \frac{40 \times 60}{100} = 24\%$$

$$\% \text{ of female literate} = \frac{25 \times 40}{100} = 10\%$$

$$\text{Required } \% = \frac{24-10}{10} \times 100$$

$$= 140\%$$

75. Option (3) is correct.

Let the breadth be decreased by x%

Length ratio 100:140 = 7:5

Breadth ratio $(100 - x)$: 100

Since, the area will be same

$$\Rightarrow 7 \times (100 - x) = 5 \times 100$$

$$\Rightarrow 700 - 7x = 500$$

$$\Rightarrow \frac{200}{7} = x$$

$$\Rightarrow x = 28.57\% = 28.6\% \text{ (approx)}$$

76. Option (3) is correct.

Maintenance and Welfare of Parents and Senior Citizens Act, 2007 is related to the Definitions of children. According to this act, Children include son, daughter, grandson, granddaughter, son-in-law, and daughter-in-law but do not include minors. Parent means father or mother, whether biological, adoptive, stepfather, or stepmother, and whether or not the father or mother is a senior citizen. A senior citizen is an Indian who has reached the age of 60 or more. Any legal heir of a childless senior citizen who is not a minor and owns or will inherit his property after his death is considered a relative. The provision of food, health care, recreation centres, and other essential facilities for senior citizens is referred to as welfare.

77. Option (1) is correct.

Godavari river is the second longest river in India after and is also known as 'Dakshina Ganga.' It is the largest river in Peninsular region. The basin of Godavari is known for deposits of oil, gas, limestone etc.

78. Option (4) is correct.

Ben Stokes was dubbed 'Mr. Incredible' by England captain Joe Root after another match-winning performance for England in the second Test against the West Indies at Emirates Old Trafford. Benjamin Andrew Stokes is an English cricketer who plays for the England One Day International (ODI) and Twenty20 International (T20I) teams. He is the current vice-captain of the England Test team. He represents Durham in domestic cricket and has played in several Twenty20 leagues, including Rising Pune Supergiant and Rajasthan Royals in the Indian Premier League.

79. Option (2) is correct.

Baba Ram Chandra established the Oudh Kisan Sabha in 1920. He was a trade unionist who rallied the farmers of Oudh and led the first anti-landlord demonstration. Jawaharlal Nehru, Baba Ramchandra, and others founded the Oudh Kisan Sabha, also known as the Oudh Kisan Sabha. It was formed to oppose the zamindars and talukdars who demanded excessive taxes and rent.

80. Option (3) is correct.

Roald Dahl's autobiography, Boy: Tales of Childhood, was published in 1984. This book tells the story of his life from birth to leaving school, focusing on living conditions in Britain in the 1920s and 1930s, the public school system at the time, and how his childhood experiences led him to pursue writing as a career.

81. Option (4) is correct.

Article 301 discusses trade, commerce, and exchange freedom throughout the country. It states that subject to other provisions in Part XIII, the freedom to engage in these activities is unrestricted. The right to practice any profession or carry on any occupation, trade, or business is granted in Article 19 g of the constitution. According to Section 92 of the Australian Constitution, there should be freedom of trade, commerce, and intercourse carried out by ocean navigation or internal carriage. India adopted the concept of free trade in its constitution from the Australian constitution.

82. Option (2) is correct.

The Rathwas, who live in Rath-Vistar, a hilly area in Gujarat's southeastern region, perform the Rathwa ni Gher dance

on the occasion of Holi (festival of colours), also known as the Kavant festival, named after the location of the Holi carnival. It is popular in the Vadodara district's Chhota Udepur, Kanwant, and Pavijetpur Talukas (subdivisions), as well as the Panchmahal district's Jambughoda, Narukot, and Ghoghamba Talukas (subdivisions). The Gher (dance with music) performances begin on Dhulendi, which is, literally, 'the day of flying coloured dust'.

83. Option (1) is correct.

Taj Mahotsav, one of the most anticipated festivals, is held every year from the 18th to the 27th of February at Shilpgram, near the Eastern gate of the Taj Mahal. This ten-day carnival is a dynamic platform that provides information about India, where you can discover the country's rich arts, crafts, cultures, cuisine, dance, and music. The Taj Mahal is India's most beautiful historical site, telling the story of incredible India. Taj Mahotsav is organized by the Taj Mahotsav Committee, which is chaired by the Commissioner of Agra Division Agra.

84. Option (2) is correct.

According to the 2011 Census, India's annual population growth rate is 1.64%. The change in the number of people living in a specific area between two points in time is referred to as population growth. It is expressed as a percentage. In 1872, British Viceroy Lord Mayo initiated the Census. It aided in the development of new policies and government programs to address community needs. In 1881, India held its first synchronized census. It has happened after every decade since 1901. Census 2011 is the 15th and 7th post-Independence Census. 'Our Census, Our Future' is the Census 2011 campaign slogan. According to the Census 2011, India has 53 million or more cities, up from 35 in 2001. In 2011, India conducted its 15th Census.

85. Option (4) is correct.

Kanakkunnu Palace is near the Napier Museum of India in Thiruvananthapuram. Akhilesh S V Nair and A Gangaprasad of the University of Kerala's Department of Botany created India's first digital garden. The palace, which is now protected by the Department of Tourism, hosts a variety of cultural and social events. This location has been designated as a heritage monument by the Indian National Trust for Art and Cultural Heritage (INTACH).

86. Option (4) is correct.

The freedom fighter Madan Mohan Malaviya is credited with popularising the slogan Satyameva Jayate (the truth alone shall triumph). Madan Mohan Malaviya was an Indian scholar, education reformer, and politician best known for his role in the Indian independence movement, serving as president of the Indian National Congress four times. The All India Hindu Mahasabha's president and founder. He was addressed both respectfully as Pandit and as Mahamana.

87. Option (4) is correct.

The Gross GST (Goods and Services Tax) revenue collection for December 2019 has surpassed Rs 1 lakh crore, representing a 16% increase in revenue. Maharashtra had the highest GST collection in December, at Rs 16,530 crore, followed by Karnataka (Rs 6,886 crore) and Tamil Nadu (Rs 6,886 crore) (Rs 6,422 crore). GST revenue stood at Rs 1.03 lakh crore in November, representing a 9% increase. In October, the gross GST revenue collected was Rs 95,380 crore. It was Rs 91,916 crore in September, compared to Rs 98,202 crore in August.

88. Option (4) is correct.

The 'Waterman of India,' Rajendra Singh, is well-known. He founded Tarun Bharat Sangh in 1975. Tarun Bharat has prepared and assisted society in the construction of 11,800 water structures. More than 1,200 villages in the country now have access to clean water. As a result of their efforts, 12

rivers in the country have been revitalised: Arvari, Ruparel, Sarsa, Bhagani, Maheshwara, Sabi, Tibra, Sairni, and Jahazwali in Rajasthan, Agarni and Mahakali in Maharashtra, and Inchanahalla in Karnataka.

89. Option (4) is correct.

The hindbrain includes the medulla oblongata, Pons, and Cerebellum, while the midbrain includes the tectum. Cerebellum is responsible for coordinating movement, posture, and balance. Pons serves as a link between the brain and the spinal cord, carrying ascending and descending tracts. The medulla oblongata is in charge of many complex activities such as heart action, respiration, coughing and sneezing, and so on. The tectum is a part of the midbrain that is in charge of vision and auditory reflexes.

90. Option (4) is correct.

Lala Lajpat Rai died on November 17, 1928, after being seriously injured by a police lathi charge. On October 30, 1928, when the Simon Commission arrived in Lahore, Lala Lajpat Rai led the commission's protest in a silent nonviolent march, but the police retaliated violently. He was opposed to the commission because it did not include a single Indian member.

91. Option (2) is correct.

A bacteria causes cholera. It spreads via tainted food and water. It is avoidable by eating properly prepared foods and drinking boiled water. *Vibrio cholerae* is the name of the bacteria. Transmission Mode: One can become infected by drinking contaminated water or eating contaminated food. Organs Affected: Intestine

92. Option (3) is correct.

The liver is located in the upper right hand portion of abdominal cavity. It is beneath the diaphragm and on the top of stomach, right kidney, and intestines.

93. Option (2) is correct.

In 1999, the RBI implemented the Clean Note Policy, which required banks not to give soiled, mutilated, or written notes to customers and instead deposit them with the RBI. Under the Clean Note Policy, the RBI advised banks to stop stapling currency notes in 2002.

94. Option (4) is correct.

The Quit India Movement began on August 8, 1942, from Gowalia Tank Maidan in Mumbai, also known as August Kranti Maidan. Mahatma Gandhi delivered his famous "do or die" speech at the August Kranti Maidan, kicking off the Quit India Movement.

Aruna Asaf Ali dubbed the 'Grand Old Lady' of the independence movement, is best known for hoisting the Indian flag at Mumbai's Gowalia Tank Maidan during the Quit India Movement. The slogan 'Quit India' was coined by Yusuf Meherli, a socialist and trade unionist who also served as the Mayor of Mumbai. Meherali also coined the slogan 'Simon go back'.

95. Option (2) is correct.

Diamond has an absolute refractive index of 2.42. The absolute refractive index is defined as the ratio of light speed in a vacuum to light speed in a given medium. The absolute refractive index should never fall below 1.

96. Option (1) is correct.

The acronym 'PENCIL' stands for Platform for Effective Enforcement of No Child Labor and refers to an electronic portal launched by the Government of India in September 2017. PENCIL is an electronic platform that aims to engage the Central, State, District, and Local Governments, as well as civil society and the general public, intending to achieve a child-labour-free society. Shri Rajnath Singh also introduced the Standing Operating Procedure (SOP) to put the legal framework against child labour into action. The SOP's goal is to create a ready reckoner for trainers, doctors, and monitoring agencies to ensure the complete prohibition of child labour and the protection of adolescents from hazardous labour, ultimately leading to a child-labour-free India.

97. Option (1) is correct.

The Gandhi Sagar Dam is one of four major dams built on the Chambal River in India. The dam is located in the Madhya Pradesh districts of Mandasaur and Neemuch. On March 7, 1954, Prime Minister of India Pandit Jawaharlal Nehru laid the foundation for the dam. Tawa Reservoir in Hoshangabad District and Indira Sagar Dam in Narmada Nagar are two other dams in Madhya Pradesh.

98. Option (1) is correct.

The Ganga-Bhagirathi-Hooghly river system, also known as National Waterway 1, runs across the Ganges from Prayagraj in Uttar Pradesh to Haldia in West Bengal via Patna and Bhagalpur in Bihar. In 1986, the Ganga-Bhagirathi-Hooghly river system was designated as National Waterway-1 (NW-1) between Haldia (Sagar) and Allahabad (1620 km). Since then, the IWAI has been carrying out various development works on the waterway to improve its navigability, as well as the development and maintenance of other infrastructures such as navigation aids and terminal facilities, as outlined in the IWAI Act of 1985.

99. Option (3) is correct.

Gymnastics has three distinct disciplines at the Olympic Games. Athletes compete in individual and team events on various apparatus and floor routines in Artistic Gymnastics. Competitors in Rhythmic Gymnastics perform choreographed routines using hand-held apparatus. Trampoline involves athletes bouncing on a trampoline to heights of up to eight metres while performing acrobatic movements such as twists and somersaults in mid-air. Points are awarded for difficulty, execution, and flight time.

100. Option (1) is correct.

Metals combine with acids to form hydrogen gas. When metals react with acids, they replace the acids' hydrogen. During the reaction, this hydrogen is released as a gas. The general chemical equation for this reaction is $\text{Metal} + \text{Acid} \rightarrow \text{Salt} + \text{Hydrogen gas}$. However, only metals that are more reactive than hydrogen can produce this reaction. The more reactive metals displace hydrogen from the acid, resulting in salt and hydrogen gas formation.