STAFF SELECTION COMMISSION
Multi Tasking (Non-Technical) Staff
SOLVED PAPER

(7th July 2022: Shift-1)

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

   The playground was way <u>large then I had</u> imagined, and in cleaning it, my back began to ache.
   1. larger than I had
   2. no substitution required
   3. largest to what I have
   4. large then I have

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

   To foot the bill
   1. To reveal a secret
   2. To be friendly
   3. To hold grudges
   4. To make payment

3. Select the option that will improve the underlined part of the sentence. In case no improvement is needed, select 'No improvement required'.

   <u>Shall you pass</u> me that pasta bowl?
   1. Shall pass you
   2. Can you pass
   3. Could passing you
   4. No improvement required

4. The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

   He had begun to dig / diligent along the / low tideline and had / captured two clams.
   1. captured two clams
   2. low tideline and had
   3. diligent along the
   4. he had begun to dig

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

   I _____ your remaining project if you get groceries for me from the market.
   1. would do
   2. will do
   3. will have done
   4. would have done

6. Select the correctly spelt word.
   1. Magestic
   2. Flexibal
   3. Stringent
   4. Faltoring

7. Select the most appropriate option to fill in the blank.

   Which _____ should I take to reach the railway station?
   1. root
   2. route
   3. rote
   4. riot

8. Select the most appropriate option to fill in the blank.

   Writing books about how to _____ on the internet seems like a great idea.
   1. make a promise
   2. make a fortune
   3. make a habit
   4. make a list

9. Select the most appropriate option to fill in the blank.

   I can't control my _____ these days because I got selected for a job.
   1. casualness
   2. nepotism
   3. pollution
   4. excitement

10. Select the most appropriate option to fill in the blank.

    The Lebanese army raided the boat and _____ dozens of water bottles, tuna cans, loaves of bread, boxes of Picon cheese and life jackets.
    1. discovered
    2. learnt
    3. created
    4. invented

11. Select the most appropriate meaning of the underlined idiom in the given sentence.

    My elder brother is so innocent that winning an argument against him is like <u>shooting fish in a barrel</u>.
    1. Indulge in an illegal activity
    2. Exceptionally easy to do
    3. Asking for charity
    4. Making someone uneasy

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

    Sacred
    1. Consecrated
    2. Submissive
    3. Passionate
    4. Adamant

13. Select the option that can be used as a one-word substitute for the given group of words.

    The study of different skin diseases
    1. Neurology
    2. Dermatology
    3. Psychology
    4. Radiology

14. Select the option that will improve the underlined part of the given sentence. In case no improvement is needed, select 'No improvement required'.

    It has been my great misfortune <u>to follow a speech more notable</u> for its volume than for any sense.
    1. following a speech most notable
    2. no improvement required
    3. to follow a speech much notable
    4. to have being following a speech more notable

15. Select the option that can be used as a one-word substitute for the given group of words.

    One who is hostile and violent
    1. Idle
    2. Aggressive
    3. Legendary
    4. Agreeable

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

Plausible

1. Irresistible　　　　　　3. Untenable
2. Irrational　　　　　　　4. Credible

17. Select the correctly spelt word.

1. Exploitation　　　　　3. Reveneue
2. Conversatian　　　　　4. Pashion

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

Hilarious

1. Ridiculous　　　　　　3. Usual
2. Pretentious　　　　　　4. Humourless

19. Parts of the following sentence have been given as options. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

A significant number of students volunteers each year for environmental projects.

1. volunteers each year for
2. no error
3. a significant number of students
4. environmental projects

20. Parts of the following sentence have been given as options. One of them contains an error. Select the part that contains the error from the given options.

Time and technology are two important factor that change substances into resources.

1. time and technology　　3. factor that
2. resources　　　　　　　4. two important

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

Can you (1) _____ a deaf woman writing stories about a war? Well, Laura Redden Searing did this. Moreover, she went to foreign countries to write stories. She was very ill when she was 11 years old. Because of this, she lost her (2) _____. She went to the Missouri School for the Deaf. Laura was 19 years old when she went to work for a newspaper. She wrote about people, places and art. In 1859, most women were just wives and (3) _____. They did not work outside the home, otherwise, their husbands would be angry. Due to this feeling, Laura used a (4) _____ name when she wrote her stories. She called herself Howard Glyndon. She thought that unless she used a masculine name, people would be (5) _____ since they did not think that women should write for newspapers.

21. Select the most appropriate option to fill in blank number 1.

1. malign　　2. create　　3. conjure　　4. imagine

22. Select the most appropriate option to fill in blank number 2.

1. hearing　　2. suffering　　3. enduring　　4. inspiring

23. Select the most appropriate option to fill in blank number 3.

1. artists　　2. writers　　3. mothers　　4. teachers

24. Select the most appropriate option to fill in blank number 4.

1. woman's　　2. children's　　3. adult's　　4. man's

25. Select the most appropriate option to fill in blank number 5.

1. infantile　　2. versatile　　3. hostile　　4. infertile

General Intelligence & Reasoning

26. After interchanging the given two signs, what will be the value of the following expression?

$\times$ and $\div$

$20 + 5 \div 6 \times 2 - 5$

1. 30　　　2. 35　　　3. 25　　　4. 40

27. The IQ of 7 boys B1, B2, B3, B4, B5, B6 and B7 is tested and the values are compared.

B2 has a higher IQ than B6. B5 has the third lowest I B4 has a higher IQ than 6 boys.

B3 has an IQ less than B2. B1 has a higher IQ than B2. B7 has the least IQ.

Who has the second highest IQ?

1. B2　　2. B7　　3. B1　　4. B3

28. Identify the number that does NOT belong to the following series.

49, 98, 196, 394, 784, 1568

1. 196　　2. 784　　3. 394　　4. 1568

29. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

No T is G.

Some M are T.

Conclusions:

I. No G is T.

II. All M are G.

1. Neither conclusion I nor II follows.
2. Both conclusions I and II follow.
3. Only conclusion I follows.
4. Only conclusion II follows.

30. Select the figure from among the given options that can replace the question mark (?) in the following series.
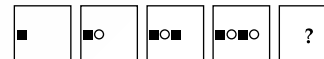

31. Select the figure from the given options that can replace the question mark (?) and complete the pattern.
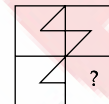
32. Select the figure from among the given options that can replace the question mark (?) in the following series.

33. Select the option in which the numbers shares the same relationship as that shared by the numbers in the given set.

(132, 186, 240)

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. e.g., 13 – Operations on 13 such as adding /deleting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

1. (124, 158, 202)　　　　3. (118, 172, 198)
2. (148, 202, 256)　　　　4. (142, 176, 194)

34. After interchanging which two signs will the value of the given expression be '35'?

$13 + 91 - 3 \div 529 \times 23$

1. + and –　　　**2.** × and ÷　　　**3.** × and +　　　**4.** – and ÷

35. 8 persons D, E, F, G, H, I, J and K are sitting around a square table, facing towards the centre (not necessarily in the same order). Four persons are sitting at the corners and four persons are sitting at the middle of the sides of the square table. D is sitting at one side and opposite to K. G is sitting at a corner and to the immediate right of D. D is the immediate neighbour of E and G. I is not the immediate neighbour of H. F is sitting at one side and opposite to H.

Who is sitting just diagonally opposite to I?

1. K　　　**2.** H　　　**3.** D　　　**4.** E

36. 6 persons A, B, C, D, E and F are sitting around a rectangular table, facing towards the centre (not necessarily in the same order). One person is sitting on each of the smaller sides. Two persons are sitting on each of the bigger sides. No person is sitting at the corners. C and F are sitting on the same side. B is sitting opposite to A. F is the immediate neighbour of B. A is sitting second to the left of D.

Counting towards the left of D, how many persons are sitting between A and D?

1. Two　　　**2.** Three　　　**3.** One　　　**4.** Zero

37. Select the option that is related to the sixth number in the same way as the first number is related to the second number and the third number is related to the fourth number.
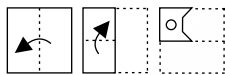
34 : 12 :: 28 : 16 :: ? : 15

1. 26　　　**2.** 24　　　**3.** 32　　　**4.** 35

38. Identify the number that does NOT belong to the following series.

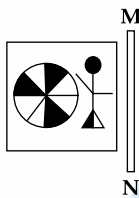14, 21, 63, 378, 3402

1. 3402　　　**2.** 14　　　**3.** 21　　　**4.** 378

39. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?

40. Select the correct mirror image of the given figure when the mirror is placed at MN.

41. In a certain code language, 'POKER' is written as 'IHDXK' and 'FANDS' is written as 'YTGWL'. How will 'AQBCG' be written in that code language?

1. TJVVG　　　**2.** TKUVZ　　　**3.** TJVUZ　　　**4.** TJUVZ

42. Select the option in which the pair of letter-clusters share the same relationship as that shared by the given pair of letter-clusters.

ROP : NMP :: ?

1. TIN : LGV　　　　**3.** CRB : DPA

2. MUG : ESK　　　　**4.** LAN : LXJ

43. In a certain code language 'who are you' is written as 'Sue Re Nik', 'they is you' is written as 'Pi Re Sor', and 'they are dangerous' is written as 'Pi Nik Zhi'. What is the code for 'dangerous' in that code language?

1. Sue　　　**2.** Nik　　　**3.** Pi　　　**4.** Zhi

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

Pitch : Cricket :: Court : Badminton :: Ring : ?

1. Football　　　**2.** Boxing　　　**3.** Hockey　　　**4.** Rugby

45. Select the option in which the given figure is embedded (rotation is not allowed).

46. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

I. All X are B.

II. No C is X.

Conclusions:

I. Some B are not C.

II. All C are B.

III. Some X are C.

1. Only conclusion I follows

2. None of the conclusion follow

3. Only conclusions I and II follow

4. Only conclusions II and III follow

47. In a certain code language, 'random boys talk' is written as '8 3 P', 'talk too much girls' is written as '3 4 2 6'. How will 'talk' be written in that language?

1. 3　　　**2.** P　　　**3.** 2　　　**4.** 8

48. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

BOND, FKRZ, JGVV, NCZR, ?

1. RYDN　　　**2.** RYDM　　　**3.** RXDN　　　**4.** RYCN

49. In a certain code language, 'DELHI' is written as 'CDKGH', 'NERVOUS' is written as 'MDQUNTR' and 'SURE' is written as 'RTQD'. What is the code for the word 'MILLION' in that code language?

**1.** HHSKNMK　　　　**3.** SKHHALO

2. LHKKHNM　　　　**4.** LADAKHN

50. 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.

PV : MQ :: FB : ?

**1.** CX   **2.** DW   **3.** DX   **4.** CW

Numerical Aptitude

51. The current average age of a family of five members is 24. If the present age of the youngest member in the family is 8 years, what was the average age of the family members just before the birth of this youngest member?

1. 24 years   **2.** 20 years   **3.** 28 years   **4.** 16 years

52. The following bar chart shows the number of matches played by a team in 6 consecutive years.
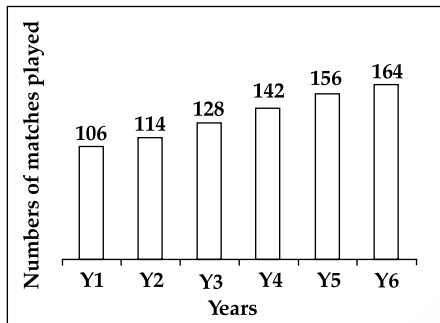
The number of matches played in Y7 will be equal to the average number of matches played in Y3 and Y4. The number of matches played in Y8 will be 20% more than the number of matches played in Y7. How many matches will be played by the team in Y8?

1. 156   **2.** 152   **3.** 168   **4.** 162

53. The following pie chart shows the number of cups sold by each of 7 different shops during a given period of time as percentages of the total number of cups sold by these 7 shops taken together during the above-mentioned time period.
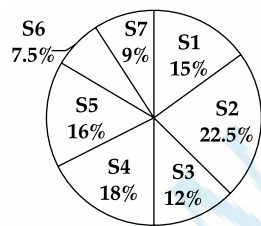
If the number of cups sold by S6 during this period is 165, then how many cups in total are sold during this period by all these 7 shops taken together?

1. 2400   **2.** 2000   **3.** 2600   **4.** 2200

54. A sum of Rs 708 amounts to Rs 944 in 4 years at simple interest. If the rate of interest is increased by 5%, to what amount will Rs 675 increase in 4 years?

1. ₹ 965   **2.** ₹ 1,075   **3.** ₹ 1,035   **4.** ₹ 1,145

55. The length of each side of a square is twice the radius of a circle. If the radius of the circle is 7 cm, then what is the difference between the areas of the square and the circle? [use $\pi = \dfrac{22}{7}$]

1. 44 cm^2 **2.** 46 cm^2 **3.** 42 cm^2 **4.** 48 cm^2

56. A solution of 45% alcohol is mixed with a solution of 60% alchohol in the ratio of 2 : 3. In what ratio should the resultant solution be mixed with a 72% alcohol solution to get a 66% alcohol solution?

1. 4 : 7   **2.** 1 : 3   **3.** 1 : 2   **4.** 2 : 3

57. The value of a stone is proportional to the square of its weight. A stone worth ₹ 1,20,000 is broken into two pieces in the ratio 2 : 3. What is the total price of the two small stones?

1. ₹ 68,400   **2.** ₹ 62,400   **3.** ₹ 66,500   **4.** ₹ 65,400

58. The side of a square is increased by 25%. What is the percentage increase in its area?

1. 62.5%   **2.** 57.5%   **3.** 50%   **4.** 56.25%

59. Puneet sold an article for ₹ 1,750 at a loss of 50%. If Puneet sells the article at loss of 30%, then what will be selling price?

1. 2,640   **2.** 2,180   **3.** 2,450   **4.** 2,100

60. The traffic lights at 3 different road crossings change after every 48 sec, 72 sec and 108 sec, respectively. If they all change simultaneously at 8:20 a.m., then at what time will they next change again simultaneously?

1. 8:27:12 a.m.   **3.** 9:12:18 a.m.

2. 8:33:32 a.m.   **4.** 8:40:14 a.m.

61. The marked price of an article is ₹ 840. A shopkeeper gives a discount of 15% on the marked price and still makes a profit of 19%. What is the cost price of the article?

1. ₹ 580   **2.** ₹ 540   **3.** ₹ 600   **4.** ₹ 640

62. The average marks of 5 students is 85. If the marks of a new student are also considered, then the average marks becomes 84. What is the marks obtained by the new student?

1. 79   **2.** 83   **3.** 78   **4.** 81

63. A bought a bag and a bottle for a total of ₹ 900. He sold the bottle at a profit of 12% and the bag at a profit of 20%. If he earned a total profit of ₹ 160.80, then calculate the cost price of the bottle.

1. ₹ 320   **2.** ₹ 300   **3.** ₹ 200   **4.** ₹ 240

64. The length of each side of a square is 15 cm. What is the perimeter of the square?

1. 80 cm   **2.** 70 cm   **3.** 60 cm   **4.** 100 cm

65. A can beat B in a 100-metre race by 10 metres. B can beat C in a 100-metre race by 10 metres. What is the ratio ($t_A : t_B : t_C$), which are the respective times taken by A, B and C to complete the race?

1. 100 : 90 : 81   **3.** 100 : 81 : 90

2. 90 : 81 : 100   **4.** 81 : 90 : 100

66. The following table shows the number of tables and the number of chairs made of 5 different metals sold by a furniture store over a given time period.

Metal	Tables	Chairs
M1	100	50
M2	150	70
M3	120	40
M4	125	25
M5	200	60

N = Average number of chairs sold per metal

The number of tables sold that were made of metal M3 is approximately what percentage more than N?

1. 144. 90%   **2.** 166.67%   **3.** 122.22%   **4.** 188.89%

67. A goldsmith uses 110 cm^3 of gold to make a wire 1 mm in diameter. He will use this wire to make gold chains of equal lengths. If each chain requires 56 cm length of wire, then how many gold chains can he make? [Use $\pi = \dfrac{22}{7}$]

1. 320   **2.** 250   **3.** 160   **4.** 210

68. M is inversely proportional to N. If M is 20, then N is 70. If N = 50, then what is the value of M?
1. 20   **2.** 700   **3.** 28   **4.** 600

69. A project can be completed by 2 men and 5 women in 8 days while 4 men and 6 women can complete the same project in 5 days. How many men will be required to complete this project in 4 days?
1. 8   **2.** 10   **3.** 9   **4.** 12

70. A boat can travel 18 km in 3 hours while going upstream, and 40 km in 4 hours while going downstream. What is the speed of the boat in still water?
1. 6 km/h   **2.** 8 km/h   **3.** 10 km/h   **4.** 9 km/h

71. What is the value of $\dfrac{5}{14}$ of

$$\dfrac{7}{12}+\left[\dfrac{5}{24}-\left(\dfrac{1}{6}+\dfrac{1}{2}-\dfrac{1}{3}\times\dfrac{1}{4}\right)\right]?$$

1. $\dfrac{-1}{6}$ **2.** $\dfrac{-2}{5}$ **3.** $\dfrac{-3}{4}$ **4.** $\dfrac{-1}{8}$

72. What is the value of $\dfrac{0.6\times0.6\div0.3+0.2\times0.3-0.6}{0.1\times0.2\div0.4}$?
1. 15.2   **2.** 14.6   **3.** 13.2   **4.** 12.5

73. A camp of 150 soldiers has food for 400 days. 100 more soldiers join the camp. For how many days will the food last from then onwards?
1. 250 days   **2.** 210 days   **3.** 230 days   **4.** 220 days

74. There are two numbers 'x' and 'y'. 40% of 'x' is equal to 60% of 'y'. If the average of 'x' and 'y' is 225, then what is the difference between 'x' and 'y'?
1. 85   **2.** 80   **3.** 75   **4.** 90

75. Mohan invested 5,000 in a bank which offered interest at the rate of 10% per year compounded semi-annually. How much amount will he get after 2 years? [Give your answer correct to the nearest integer value.]
1. ₹ 6,512   **2.** ₹ 6,320   **3.** ₹ 6,250   **4.** ₹ 6,078

General Awareness

76. Hariprasad Chaurasia is a _____ player.
1. flute   **2.** mandolin   **3.** shehnai   **4.** guitar

77. In which year did Bhagat Singh and BK Dutt throw a bomb in the Central Legislative Assembly?
1. 1928   **2.** 1929   **3.** 1930   **4.** 1931

78. As per the 2011 census of India, population density of which of the following states was less than 100 people per square kilometre?
1. Himachal Pradesh   **3.** Sikkim
2. Rajasthan   **4.** Tripura

79. If 'u' is the object-distance, 'v' is the image-distance and 'f' is the focal length of a spherical mirror then which of the following is a correct expression for the mirror formula?
1. 1/v + 1/u = –1/f   **3.** 1/v + 1/u = 1/f
2. 1/v – 1/u = 1/f   **4.** 1/v – 1/u = –1/f

80. 'Red Light On Gaadi Off' campaign was launched by the government of _____.
1. Uttar Pradesh   **2.** Haryana   **3.** Delhi   **4.** Punjab

81. Who among the following has been ranked as the richest person in the world, as per the Forbes' Real-Time Billionaires list 2022?
1. Elon Musk   **3.** Bernard Arnault
2. Jeff Bezos   **4.** Warren Buffet

82. Which of the following organisms is responsible for sleeping sickness?
1. Algae   **2.** Protozoa   **3.** Bacteria   **4.** Viruses

83. In which state of India, is the Chapchar Kut festival celebrated?
1. Jharkhand   **2.** Goa   **3.** Mizoram   **4.** Kerala

84. Rainfall is measured by an instrument called the _____.
1. rain gauge   **3.** pirani gauge
2. barometer   **4.** altimeter

85. The temples of Khajuraho are a magnificent example of the _____ of the temple.
1. Vesara style   **3.** Eastern style
2. Nagara style   **4.** Dravidian style

86. 'Bhavai' is the traditional theatre form of which Indian state?
1. Gujarat   **3.** Tamil Nadu
2. Nagaland   **4.** Karnataka

87. As per the Union Budget 2022-23, how many new jobs are to be created under the productivity linked incentive scheme in 14 sectors?
1. 60 lakhs   **2.** 80 lakhs   **3.** 40 lakhs   **4.** 20 lakhs

88. Manuscripts were usually written on:
1. marbles   **2.** palm leaf   **3.** tulsi leaves   **4.** iron

89. Gatka, a traditional fighting style of the Nihang Sikh warriors, used both for self-defence as well as a sport, has originated from which of the following states of India?
1. Gujarat   **2.** Rajasthan   **3.** Bihar   **4.** Punjab

90. Which of the following trees is found in mountain forests?
1. Rosewood   **2.** Ebony   **3.** Teak   **4.** Cedar

91. 'Total Recall: My Unbelievably True Life Story' is an autobiography of:
1. Chris Gayle   **3.** IK Gujral
2. Eddie Huang   **4.** Arnold Schwarzenegger

92. Where are villi present in the human alimentary canal?
1. Pancreas   **3.** Stomach
2. Oesophagus   **4.** Small intestine

93. Rajaraja I, the most powerful Chola ruler, became king in _____ C.E.
1. 985   **2.** 970   **3.** 977   **4.** 995

94. Guru Bipin Singh was known for which classical dance form?
1. Manipuri   **2.** Kathak   **3.** Bihu   **4.** Kathakali

95. The premier iron ore exporting port of India is situated in _____.
1. Uttar Pradesh   **3.** Maharashtra
2. Goa   **4.** Gujarat

96. Article 43B was inserted as a _____ in the Constitution of India.
1. Constitutional body
2. Fundamental duty
3. Directive principle of state policy
4. Fundamental right

97. The Constitution of India states that 'no person shall be eligible for election as President of India unless he has completed the age of _____ years'.
1. twenty-five   **2.** forty   **3.** thirty-five   **4.** forty-five

98. If a batsman hits a ball twice other than for the purpose of protecting his wicket or with consent from the opposition then:
1. the batsman is given a warning
2. the ball is declared dead
3. he is out
4. a bye of five runs is declared

99. The Tendulkar Committee Report (2011-2012) was based on
_____.

    1. population growth   **3.** poverty

    2. commerce   **4.** unemployment

100. Which of the following pairs of name of battle and year is/are correctly matched?

I. Battle of Buxar – 1764

II. Battle of Plassey – 1757

    1. Only I   **3.** Only II

    2. Both I and II   **4.** Neither I nor II

Answer Key

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

Answers with Explanations

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

The correct sentence is: The playground was way larger than I had imagined, and in cleaning it, my back began to ache. The phrase 'way large then I had' will be replaced by 'way larger than I had'. This is so because of the comparison being made between the playground now and the one I had imagined. So comparative degree 'larger' is used with 'than'.

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

The idiom 'foot the bill' means 'pay the bill for something, typically when the amount is considered large or unreasonable.' to make payment'.

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

The correct sentence is: Can you pass me that pasta bowl? We use 'can' for permission to do something. While, the modal verb 'shall' is used to ask for instructions, suggestions and services.

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

The correct sentence is: He had begun to dig diligently along the low tideline and had captured two clams. The adverb 'diligently' will replace the adjective 'diligent' to qualify the verb 'dig'.

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

The correct sentence is: I will do your remaining project if you get groceries for me from the market. By rule, when a conditional clause starts with a simple present tense (if you get groceries for me), the other clause is in simple future (will do your remaining project).

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

'Magestic' will be spelled as 'majestic'. 'Flexibal' will be spelled as 'flexible'; 'Faltoring' will be spelled as 'faltering'. Therefore, the correct spelling is 'stringent' (strict).

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

The correct sentence is: Which route should I take to reach the railway station? 'Route' means 'a way or course'. Whereas 'root', 'rote', and 'riot' are contextually incorrect.

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

The correct sentence is: Writing books about how to make a fortune on the internet seems like a great idea. The phrase 'great idea' connotes that writing books will prove beneficial. So, making a fortune is correct, instead of making a promise/habit/list.

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

The correct sentence is: I can't control my excitement these days because I got selected for a job. The selection for a job can cause excitement (enthusiasm), not casualness, nepotism, (favoritism (as in appointment to a job) based on kinship), pollution.

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

The Lebanese army raided the boat and discovered dozens of water bottles, tuna cans, loaves of bread, boxes of Picon cheese and life jackets. Invention is the process of making something completely new and one-of-a-kind using one's own ideas and growth. "Discovery" may be defined as the identification of something that already exists as something new. 'Created' (formed) is a clear misfit. In the context, 'water bottles, tuna cans, loaves of bread, boxes of Picon cheese and life jackets' can be discovered, as they already existed.

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

The idiom 'Shooting Fish in a Barrel' means extremely easy, or not difficult at all. exceptionally easy to do. The innocence of the elder brother proves that winning an argument against him would be extremely easy.

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

'Sacred' is something 'considered to be holy and deserving respect, especially because of a connection with a god'. By the process of elimination, 'consecrated' (holy) is correct.

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

Neurology is the branch of medicine dealing with the diagnosis and treatment of all categories of conditions and disease involving the nervous system. Dermatology is the branch of medicine dealing with the skin. Psychology is the scientific study of the mind and behaviour. Radiology represents a branch of medicine that deals with radiant energy in the diagnosis and treatment of diseases. Therefore, the study of different skin diseases is called dermatology.

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

The correct sentence is: It has been my great misfortune following a speech most notable for its volume than for any sense. The verb will be in present continuous form to indicate an action or condition is happening now. Moreover, 'most notable' is appropriate , not 'much notable' or 'more notable' (no comparison is being made, so no comparative degree).

15. Option (2) is correct.

'Idle' is to spend time doing nothing. 'Aggressive' means rebellious; 'legendary' is very well known. While 'agreeable' implies 'quite enjoyable and pleasurable'. Therefore, one who is hostile and violent can be regarded as 'aggressive'.

16. Option (4) is correct.

'Plausible' means '(of an argument or statement) seeming reasonable or probable.' Therefore, 'credible' (reliable) is correct.

17. Option (1) is correct.

'Exploitation' is the correctly spelt word. 'Reveneue' will be spelt as 'revenue'; 'Conversatian' will be spelt as 'conversation'; 'Pashion' will be spelt as 'passion'.

18. Option (4) is correct.

'Hilarious' means funny. So 'humourless' is the correct antonym.

19. Option (1) is correct.

A significant number of students volunteer each year for environmental projects. As per the rule, after 'a large number of, plural noun is used (students) followed by plural verb (volunteer). The part 'volunteers each year' will be replaced by 'volunteer each year'.

20. Option (3) is correct.

The correct sentence is: Time and technology are two important factors that change substances into resources. 'Time and technology' is a plural subject; therefore, plural noun 'factors' is appropriate.

21. Option (4) is correct.

The correct sentence is: Can you imagine a deaf woman writing stories about a war? Well, Laura Redden Searing did this. The sentence refers to something unrealistic , so the writer asks if one can imagine a deaf woman writing stories about a war, as she has never seen or heard of it.

22. Option (1) is correct.

The correct sentence is: Because of this, she lost her hearing. It is stated that Laura was a deaf woman writing stories about a war. She was very ill when she was 11 years old. This suggests that she had turned deaf by this time.

23. Option (3) is correct.

The correct sentence is: In 1859, most women were just wives and mothers. It is evident from the sentence that while Laura wrote about people, places and art, most of the women in that time were simply wives. The use of 'and' mandates the juxtaposition of a similar noun, so 'mothers' are contextually correct.

24. Option (4) is correct.

The correct sentence is: Due to this feeling, Laura used a man's name when she wrote her stories. The fear of facing the wrath of husbands for doing work outside, women feared to cross the limits. This compelled Laura to assume a man's name to avoid the enragement. Moreover, the fact that she used a masculine name is mentioned later.

25. Option (3) is correct.

She thought that unless she used a masculine name, people would be hostile since they did not think that women should write for newspapers. The fear of facing the wrath of husbands for doing work outside, women feared to cross the limits. This compelled Laura to assume a man's name to avoid their enragement/hostility since they did not think that women should write for newspapers.

26. Option (1) is correct.

Given expression: 20 + 5 ÷ 6 × 2 − 5

After interchanging the sign: 20 + 5 × 6 ÷ 2 − 5

$\Rightarrow$ 20 + 5 × 3 − 5

$\Rightarrow$ 20 + 15 − 5

$\Rightarrow$ 35 − 5 = 30

27. Option (3) is correct.

The IQ values of seven boys is as follows:

B2 > B6	…(i)
_ _ B5 _ _ _ _	…(ii)
B4 _ _ _ _ _ _ _	…(iii)
B2 > B3	…(iv)
B1 > B2	…(v)
_ _ _ _ _ _ B7	…(vi)

After combining all the equations, we get

B4 > B1 > B5 > B2 > B3 > B6 > B7

Therefore, B1 has the second highest IQ.

28. Option (3) is correct.

The given series is as follows:

49, 98, 196, 394, 784, 1568

And the pattern of the series is as follows:

49 + 49 = 98

98 + 98 = 196

196 + 196 = 392 which is not equal to 394

392 + 392 = 784

784 + 784 = 1568

Therefore, 394 does not belong to the given series.

29. Option (3) is correct.

The venn diagram of the given statements is as follows:
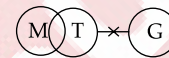
Conclusion I: No G is T is true.

Conclusion II: All M are G is false.
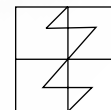
Therefore, only conclusion I follows.

30. Option (1) is correct.

The figure series is as follows:

Here, in each figure, a dot is increased by 1 from right to left.

31. Option (3) is correct.

Option figure (3) will complete the figure.

32. Option (4) is correct.

The figure series is as follows:

Here, in each step circle and rectangle increased by 1.
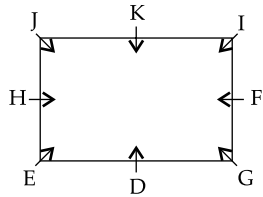
33. Option (2) is correct.

Given set: (132, 186, 240)

1 + 3 + 2, 1 + 8 + 6, 2 + 4 + 0

6, 15, 6

Here, common factor is the sum of digits of 1st and 3rd terms are same.

Similarly, (148, 202, 256)

1 + 4 + 8, 2 + 0 + 2, 2 + 5 + 6

13, 4, 13

34. Option (2) is correct.

Given expression: 13 + 91 − 3 ÷ 529 × 23

Upon checking option 2 and after interchanging sign, we get

$\Rightarrow$ 13 + 91 − 3 × 529 ÷ 23

$\Rightarrow$ 13 + 91 − 3 × 23

$\Rightarrow$ 13 + 91 − 69

$\Rightarrow$ 104 − 69 = 35
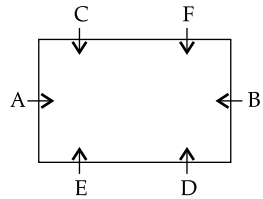
35. Option (4) is correct.
The sitting arrangement of eight persons around a square table is as following:

From the above arrangements, it is shown that E is sitting diagonally opposite to I.

36. Option (3) is correct.
The sitting arrangement of six persons around a rectangular table is as following:

From the above arrangements, it is clearly shown that only one person is sitting between A and D when counting towards the left of D.

37. Option (4) is correct.
Given that: 34 : 12
$3 \times 4 = 12$
And 28 : 16
$2 \times 8 = 16$
Similarly, ? : 15
$3 \times 5 = 15$
Hence, 35 is related to the pattern.

38. Option (1) is correct.
Given series is as follows:
14, 21, 63, 378, 3402
And the pattern of the series is as follows:
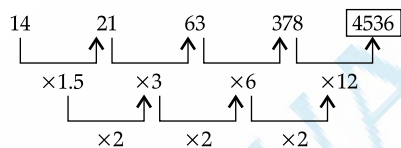
Hence, 3402 does not belong to the following series.

39. Option (3) is correct.
After unfolding the paper, it will appear as shown below
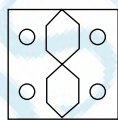
40. Option (2) is correct.
The mirror image of the given figure is as follows:
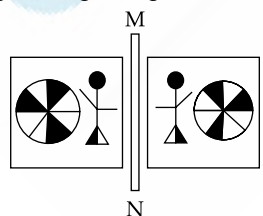
41. Option (4) is correct.
Given that: POKER is written as IHDXK
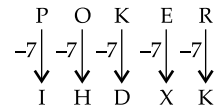
And FANDS is written as YTGWL
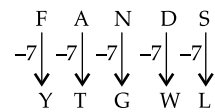
Similarly, AQBCG will be written in the same way
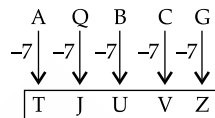
Hence, AQBCG would be written as TJUVZ.

42. Option (2) is correct.
Given that: ROP : NMP
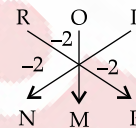
Here, each letter is decreased by 2.
Similarly, from option (2) MUG : ESK

43. Option (4) is correct.
From the given statements, we have

From the above coding, the code for 'dangerous' is 'Zhi'.

44. Option (2) is correct.
Given that: Pitch : Cricket
As we know, cricket is played on a pitch.
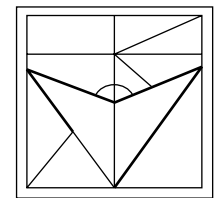And Court : Badminton
Badminton is played on a court.
Similarly, Ring : ?
Boxing is played in a ring.
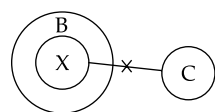Hence, Ring : Boxing is related to the pattern.

45. Option (4) is correct.
The given figure is embedded in the option figure (4).

46. Option (1) is correct.
The venn diagram of the given statements is as follows:

Conclusion I: Some B are not C is true.
Conclusion II: All C are B is false.
Conclusion III: Some X are C is also false.
Hence, only conclusion I follows.

47. Option (1) is correct.
Given that:
'random boys talk' is written as '8 3 P' and 'talk too much girls' is written as '3 4 2 6'.
As we can see that talk is common from both the statements.
Therefore, talk will be written as 3 in that language.
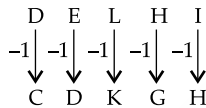
48. Option (1) is correct.
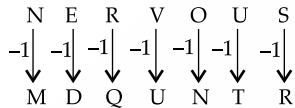Given series: BOND, FKRZ, JGVV, NCZR, ?
The pattern of the series is as follows:
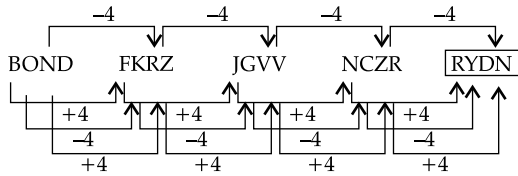
Here, 1st and 3rd letter of each cluster is increasing by 4 and 2nd and 4th letter is decreasing by 4.
Therefore, RYDN will complete the series.

49. Option (2) is correct.
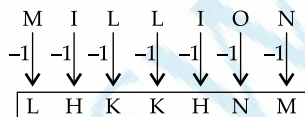Given that: DELHI is written as CDKGH

Here, each letter of the given word is decreased by 1.
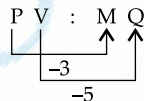NERVOUS is written as MDQUNTR

And SURE is written as RTQD
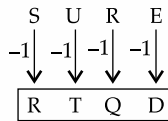
Similarly, MILLION will be written in the same way.

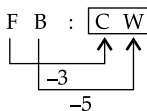Hence, MILLION will be written as LHKKHNM.

50. Option (4) is correct.
Given that: PV : MQ

Here, the first letter is decreased by 3, and the second letter is decreased by 5.
Similarly, FB will be written in the same way.

51. Option (2) is correct.
Since the child is born 8 years back so, 8 years will be subtracted from each member's age.
Hence,
Age of family 8 years back = $120 - 5 \times 8 = 120 - 40 = 80$
Hence, average age of the family before birth of youngest memberer = $\dfrac{80}{4} = 20$ years

52. Option (4) is correct.
Match played in Y_3 and Y_4 = 128 + 142 = 270
Average matches played in Y_3 and Y_4 = $\dfrac{270}{2} = 135$
Average matches played in Y_7 = 135
The matches played in Y_8 = $\left(\dfrac{120}{100}\right) \times 135 = 162$

53. Option (4) is correct.
Let the total cups sold be x
Number of cups sold by S_6 = 165
Now S_6 = 7.5%
$\Rightarrow$ 7.5% of x = 165
$\left(\dfrac{7.5}{100}\right) \times x = 165$
$x = \dfrac{(165 \times 100)}{7.5}$
$x = 2200$

54. Option (3) is correct.
SI = 944 – 708 = 236
$SI = \dfrac{P \times R \times T}{100}$
$236 = \dfrac{708 \times R \times 4}{100}$
$R = \dfrac{236 \times 100}{704 \times 4}$
           R = 8.38
New,   R = 8.38 + 5 = 13.38%
$S.I. = \dfrac{675 \times 13.38 \times 4}{100}$
S.I. = ₹ 361.26
Amount = P + S.I.
            = 675 + 361.26
            = 1036.26 ≅ ₹ 1035

55. Option (3) is correct.
Length of square = 2 radius of circle
            $l = 2 \times 7 = 14$
Difference between area of square and circle
            = side × side – (πr^2)
            = $a \times a - (\pi r^2)$
            = $(14 \times 14) - \left(\dfrac{22}{7} \times 7 \times 7\right)$
            = 196 – 154 = 42 cm²
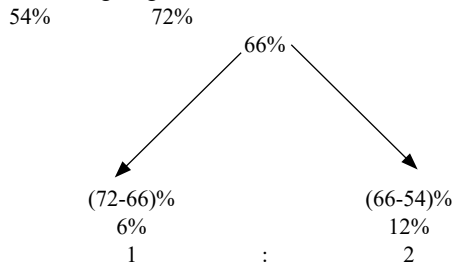
56. Option (3) is correct.
Resultant solution will contain alcohol
            = $\left(\dfrac{2}{5}\right) \times 45\% + \left(\dfrac{3}{5}\right) \times 600$
            = 18% + 36% = 54%

Now, using alligation and mixture

54%   72%

66%

(72-66)%   (66-54)%
6%   12%
1   :   2

The ratio will be 1 : 2.

57. Option (2) is correct.

Given ratio of weight = 2 : 3

Value of stone is α(Weight)²

Total weight = 2 + 3 = 5

25 units = ₹ 1,20,000

$1 \text{ unit} = \dfrac{₹(1,20,000)}{25} = ₹4800$

Weight of two small stones = (2)² + (3)² = 13

Hence, price of 13 units = ₹ 4800 × 13 = ₹ 62,400

58. Option (4) is correct.

Let the side of square be a% increase in area

$$= a + a + \left(\dfrac{a \times a}{100}\right)$$

$$= 25 + 25 + \left(\dfrac{625}{100}\right)$$

$$= 50 + 6.25$$

$$= 56.25\%$$

59. Option (3) is correct.

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

$$50 = \dfrac{CP - 1750}{CP} \times 100$$

$$CP = (CP - 1750)\left(\dfrac{100}{50}\right)$$

$$CP = (CP - 1750) \times 2$$

$$CP = 2CP - 3500$$

$$2CP - CP = 3500$$

$$CP = 3500$$

New, S.P

$$S.P. = \left(\dfrac{3500}{100}\right)(100 - 30)$$

$$= \dfrac{3500 \times 70}{100}$$

$$= 35 \times 70 = ₹ 2450$$

60. Option (1) is correct.

LCM of 48,72,108 = 432 seconds

= (420 + 12) seconds

= 7 minutes and 12 seconds

They will change again after =

= 8:20:00
+   :7: 12
─────────────
8:27:12 a.m.

61. Option (3) is correct.

Cost price (C.P.), Selling Price (S.P.), Marked Price (M.P.)

MP = ₹ 840

S.P. = MP – MP × Discount%

$$S.P. = 840 - 840\left(\dfrac{15}{100}\right)$$

$$SP = 840 - 126$$

$$SP = ₹ 714$$

$$\text{Profit \%} = \dfrac{SP - CP}{CP} \times 100$$

$$\left(\dfrac{19}{100}\right)CP = 714 - CP$$

$$0.19\, CP = 714 - CP$$

$$1.19\, CP = 714$$

$$CP = \dfrac{714}{1.19}$$

$$CP = ₹ 600$$

62. Option (1) is correct.

Total marks of 5 students

= 5 × 85 = 425

Total marks of students including new student

= 84 × 6 = 504

Hence, marks obtained by new student

= 504 – 425 = 79

63. Option (4) is correct.

Let cost of bottle be ₹ x

Hence, cost of bag = ₹ (900 – x)

Total CP = ₹ 900

$$\text{Total SP} = x\left(\dfrac{112}{100}\right) + (900 - x)\left(\dfrac{120}{100}\right)$$

Profit = SP – CP

$$160.80 = \left(\dfrac{112}{100}\right)x + 1080 - \left(\dfrac{120}{100}\right)x - 900$$

$$160.80 = \left(\dfrac{-8}{100}\right)x + 180$$

$$16080 = 18000 - 8x$$

$$16080 - 18000 = -8x$$

$$-1920 = -8x$$

$$x = \dfrac{1920}{8}$$

$$x = 240$$

64. Option (3) is correct.

Side of square = 15 cm

Perimeter of square = 4 × side

= 4 × 15 cm

= 60 cm

65. Option (4) is correct.

Given that: A can beat B in a 100-metre race by 10 metres.

B can beat C in a 100-metre race by 10 metres.

By the time A is at the finish line, B covers = 100 – 10 = 90 m

The ratio of the speed of A to B = 100 : 90

By the time B is at the finish line, C covers = 100 – 10 = 90 m

The ratio of the speed of B to C = 100 : 90 = 10 : 9 = 90 : 81

So, the ratio of speeds of A, B and C = 100 : 90 : 81

Now, tA : tB : tC = 1/100 : 1/90 : 1/81

⇒ 8100/100 : 8100/90 : 8100/81

(∵ LCM (100, 90,81) = 8100)

⇒ 81 : 90 : 100

66. Option (1) is correct.

Explanation:

Average number of chairs sold per metal

$$= \dfrac{50 + 70 + 40 + 25 + 60}{5} = \dfrac{245}{5} = 49$$

Number of tables sold that were made of metal m_3
$$= 120$$
$$\text{Required \%} = \frac{120 - 49}{49} \times 100$$
$$= \frac{71}{49} \times 100 = 144.90\%$$

67. Option (2) is correct.
Explanation:

Radius of wire $= \left(\frac{1}{2}\right)$ mm $= 0.5$ mm $= 0.05$ cm

Volume of cylindrical wire $= \pi r^2 h$

$$100 \text{ cm}^3 = \left(\frac{22}{7}\right) \times 0.05 \times 0.05 \times h$$

$$h = \frac{110 \times 7 \times 100 \times 100}{22 \times 25}$$

$$h = 14000$$

Number of chain in length

$$= 14000 = \left(\frac{14000}{56}\right) = 250$$

68. Option (3) is correct.
Explanation:

$$M \propto \frac{1}{N}$$

$$M = \frac{K}{N}$$

$$20 = \frac{K}{70}$$

$$K = 20 \times 70 = 1400$$

Now,

$$N = 50$$

$$M = \frac{1400}{50} = 28$$

69. Option (1) is correct.
Explanation:

$$2m + 5w = 8 \qquad \ldots(1)$$
$$4m + 6w = 5 \qquad \ldots(2)$$
$$16m + 40w = 1 \qquad \ldots(3)$$
$$20m + 30m = 1 \qquad \ldots(4)$$

From 1 and 2

$$16m + 40m = 20m + 30w$$
$$40w - 30w = 20m - 16m$$
$$10w = 4m$$
$$\frac{w}{m} = \frac{4}{10} = \frac{2}{5}$$
$$w = \frac{2}{5}m$$

put value of w in equation in (1)

$$2m + 5 \times \frac{2}{5}m = 8 \text{ days}$$

$$4m = 8 \text{ days}$$

Then, 8 men will complete the work in 4 days
Hence, Number of men = 8

70. Option (2) is correct.
Explanation:

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

Upstream speed $= \frac{18}{3} = 6$

$$B - W = 6 \text{ km/h}$$

Downstream speed $= \frac{40}{4} = 10 \text{ km/h}$

$$B + W = 10 \text{ km/h}$$

$(1) + (2)$
$$B - W + B + W = 6 + 10$$
$$2B = 16$$
$$B = 8 \text{ km/h}$$

Speed of boat in still water = 8 km/h

71. Option (1) is correct.
Explanation:

$$\frac{5}{14} \text{ of } \frac{7}{12} + \left[\left(\frac{5}{24}\right) - \left(\frac{1}{6} + \frac{1}{2} - \frac{1}{3} \times \left(\frac{1}{4}\right)\right)\right]$$

Using BODMAS

$$= \frac{5}{14} \text{ of } \frac{7}{12} + \left[\left(\frac{5}{24}\right) - \frac{1+3}{6} - \left(\frac{1}{12}\right)\right]$$

$$= \frac{5}{14} \text{ of } \frac{7}{12} + \left[\left(\frac{5}{24}\right) - \frac{4}{6} - \left(\frac{1}{12}\right)\right]$$

$$= \frac{5}{14} \text{ of } \frac{7}{12} + \left[\left(\frac{5}{24}\right) - \left(\frac{7}{12}\right)\right]$$

$$= \frac{5}{14} \times \frac{7}{12} + \left[\left(\frac{-9}{24}\right)\right]$$

$$= \frac{5}{24} - \frac{9}{12} = \left(\frac{-4}{24}\right) = \left(-\frac{1}{6}\right)$$

72. Option (3) is correct.
Explanation:

$$\frac{0.6 \times 0.6 \div 0.3 + 0.2 \times 0.3 - 0.6}{0.1 \times 0.2 \div 0.4}$$

$$= \frac{0.6 \times 2 + 0.06 - 0.6}{0.1 \times 0.5}$$

$$= \frac{1.2 + 0.6 - 0.6}{0.05}$$

$$= \frac{1.26 - 0.6}{0.05} = 13.2$$

73. Option (2) is correct.
Explanation:

Let the food last for x days
According to question:
Hence,
$$150 \times 400 = 50 \times 150 + x \times 250$$
$$150 \times 400 - 50 \times 150 = x \times 250$$
$$x \times 250 = 150 \times 350$$
$$x = \frac{150 \times 350}{250} = 210 \text{ days}$$

Hence, the food last for 210 days.

74. Option (4) is correct.
Explanation:

$$\left(\frac{40}{100}\right)x = \left(\frac{60}{100}\right)y$$

$$2x = 3y \Rightarrow x = \left(\frac{3}{2}\right)y$$

Average of x and $y = \dfrac{x + y}{2}$

$$225 = \frac{x + y}{2}$$

$$450 = x + y$$

$$\left(\frac{3}{2}\right)y + y = 450$$

$$3y + 2y = 900$$

$$5y = 900$$

$$y = \frac{900}{5} = 180$$

$$x = \frac{3}{2} \times 180 = 270$$

$$x - y = 270 - 180 = 90$$

75. Option (4) is correct.
Explanation:
Since, interest is payable half yearly
$$n = 2 \times 2 = 4$$
$$R = \left(\frac{10}{2}\right) = 5\%$$
$$A = P\left(1 + \frac{R}{100}\right)^4$$
$$A = 5,000\left(1 + \frac{5}{100}\right)^4$$
$$A = 5000 \times (1.05)^4$$
$$A = ₹\, 6078$$

76. Option (1) is correct.
Hariprasad Chaurasia is a well-known Indian flutist. He comes from the Hindustani classical tradition. In 1984, he was awarded the Sangeet Natak Akademi. In 2000, he received India's second-highest civilian award, the Padma Vibhushan.

77. Option (2) is correct.
On April 8, 1929, revolutionaries Bhagat Singh and Batukeshwar Dutt detonated bombs at Delhi's Central Legislative Assembly. In modern Indian history, the incident is known as the Central Assembly Bombing Case.

78. Option (3) is correct.
Population density is a measurement of the population per unit area. In India, the population density is 382 persons per square kilometre. It depicts population density over such spatial units. The states with the lowest population density per square kilometre include Sikkim, Arunachal Pradesh, Mizoram, Andaman and Kashmir. Sikkim has a population density of 86 people per square kilometre, according to the 2011 Census.

79. Option (3) is correct.
Mirror Formula can be used to calculate the relationship between the object, the object, and the focus of the mirror. (1/u) + (1/v) = (1/f): u = distance of the object from the mirror's pole v = the image's distance from the mirror's pole f = the distance between the mirror's pole and the focus point.

80. Option (3) is correct.
As part of a government campaign to reduce local factors contributing to air pollution in the Capital, Delhi Chief Minister Arvind Kejriwal urged motorists to turn off their engines at traffic lights. To combat pollution, the Environment Minister launched the 'Red Light on, Gaadi Off' campaign. Turning off the engine can reduce pollution by 15-20%.

81. Option (1) is correct.
Elon Musk is the richest person on the planet, with a $230 billion net worth, followed by Louis Vuitton's Bernard Arnault in second place and Amazon's Jeff Bezos in third place. Mukesh Ambani ranked tenth on Forbes' list (net worth: $88 billion). Elon Musk co-founded companies such as SpaceX (a rocket manufacturer), Tesla (an electric car manufacturer), and Boring Company (a tunnelling startup).

82. Option (2) is correct.
The microorganism Trypanosoma causes sleeping sickness. Trypanosoma is a member of the Protozoa Group and the Protista Kingdom. It is a flagellated protozoan that causes sickness. African sleeping sickness is caused by the parasite Trypanosoma gambiense. Microscopic parasites of the species Trypanosoma brucei cause sleeping sickness. It is spread by the tsetse fly (Glossina species), which can only be found in Sub-Saharan Africa.

83. Option (3) is correct.
The Chapchar Kut festival is held in Mizoram, India. It is Mizoram's largest and most important festival. Chapchar Kut means a festival held during the period when the bamboo and trees that have been cut down are being awaited to dry to be burnt for jhumming. Every year in March, after the completion of the Jhum cultivation, it is celebrated. The festival is thought to have begun between 1450 and 1700 A.D. in the village of Suaipui. The celebration was resurrected in 1962.

84. Option (1) is correct.
A rain gauge is used to measure the amount of rain that falls. A standard rain gauge is made up of a funnel that empties into a graduated cylinder with a radius of 2 cm. There is an outer cylinder in addition to this graduated cylinder.

85. Option (2) is correct.
The Khajuraho Temples are a magnificent example of Nagara temple architecture, with a sanctum, a narrow ante-chamber (antarala), a transept (maha mandapa), additional halls (ardha mandapa), a mandapa or nave, and an ambulatory passage (Pradakshina-path) lit by large windows.

86. Option (1) is correct.
Bhavai is a popular folk theatre form in Gujarat that dates back 700 years. The word Bhavai is a combination of two words: bhava, which means emotion, and vahini, which means a carrier, so it is named after an art form that is a carrier of emotions.

87. Option (1) is correct.
Finance Minister Nirmala Sitharaman announced that the Productivity Linked Incentive (PLI) scheme in 14 sectors for achieving the vision of Atma Nirbhar Bharat has received an excellent response, with the potential to create 60 lakh new jobs and Rs. 30 lakh crore in additional production over the next five years.

88. Option (2) is correct.
A manuscript is a piece of writing written by an author, composer, or copyist that is published as a book, magazine, or piece of music. If such manuscripts, whether originals or copies, generally adhere to standard typographic and formatting guidelines, they may be referred to as fair copies. Inscriptions were typically etched on a stone surface, whereas manuscripts were typically written on palm leaves or the properly prepared bark of a Himalayan tree known as the birch. Birch trees are commonly found in montane forests found in high-altitude regions. Birch trees are the fastest-growing trees and can often be found at elevations of more

than 3500 meters above sea level. They are only visible in India's Himalayas.

89. **Option (4) is correct.**
Gatka is a Punjabi word. It is a traditional fighting style of the Nihang Sikh Warriors that is used for both self-defence and sport. The Punjabi name, gatka, refers to the wooden stick used and this term might have originated as a diminutive of a Sanskrit word, gada, meaning "mace".

90. **Option (4) is correct.**
Montane ecosystems are any ecosystem found in mountains. In locations of moderate height, dense forests are common. The climate, which becomes colder as elevation increases, has a significant impact on montane habitats. The climate is harsher at higher elevations, with lower temperatures and higher winds, prohibiting tree development and driving the plant community to convert to montane grasslands, shrublands, or alpine tundra. Rhododendrons, ferns, oak, maple, juniper, deodar, chilgoza, and other trees are important in a montane temperate forest. Assam, Nagaland, Mizoram, Meghalaya, Manipur, Arunachal Pradesh, and other states have these sorts of forests.

91. **Option (4) is correct.**
Arnold Schwarzenegger's Total Recall, one of the most anticipated autobiographies of this generation, is the candid story of one of the world's most remarkable actors, businessmen, and world leaders.

92. **Option (4) is correct.**
The small intestine's mucosal wall contains millions of tiny finger-like projections known as villi. It increases the surface area for better nutrient absorption. The small intestine is primarily in charge of absorption. The presence of villi in the small intestine increases the surface area of absorption. The stomach, on the other hand, is an organ that primarily stores food temporarily while also aiding in protein digestion. As a result, the presence of villi in the small intestine rather than the stomach is more justified.

93. **Option (1) is correct.**
Rajaraja Chola (985-1014 AD) is widely regarded as the greatest Chola ruler. He was known as 'Rajaraja the Great' and was one of South India's greatest kings. The Chola kingdom expanded into a vast and well-connected empire during his reign.

94. **Option (1) is correct.**
In Manipur, the celestial dance of Shiva and Parvati is known as Manipuri. The festival of Lai Haraoba is the source of Manipuri origin. Guru Bipin Singha has a connection to Manipuri dance. Manipuri dance emphasizes devotion rather than sensuality. Manipuri dance emphasizes gentle movements and hand gestures, with faces covered by a thin veil. The emphasis in a Manipuri dance is on Lasya rather than tandava. Manipuri dancers wear long skirts and concentrate on hand and knee movements. An important posture in Manipuri dance is Naga Bandha mudra, in which the body is connected in the unique shape of an 8.

95. **Option (2) is correct.**
Marmagao Port is a natural harbor in Goa, located at the mouth of the Zuari estuary. It rose to prominence after being remodelled in 1961 to handle iron-ore exports to Japan. During the fiscal year 2010-11, major iron ore exporters saw their highest-ever exports through Mormugao Port. The bay's entrance is obstructed by shoals. The Grandi Islands are located on the bay's southern approach. Marmagao is one of India's oldest ports, protected by a breakwater as well as a mole built east of the breakwater's seaward end.

96. **Option (3) is correct.**
Article 43B is related to encouraging cooperative society formation, autonomy, democratic control, and professional management. The concept of Directive Principles of State Policy (DPSP) originated in the Spanish Constitution and was incorporated into the Irish Constitution. The Directive Principles of State Policy are found in Part IV of the Indian Constitution (Articles 36-51). (DPSP). The application of the Directive Principles is specified in Article 37 of the Indian Constitution. These principles seek to ensure people's socioeconomic justice and to establish India as a Welfare State.

97. **Option (3) is correct.**
Article 58 of the Constitution states that no person shall be eligible for election as President unless he is a citizen of India, has reached the age of thirty-five, and is qualified for election as a member of the House of the People.

98. **Option (3) is correct.**
According to cricket regulations, a batsman is out if he smashes a ball twice other than to safeguard his wicket or with the consent of the opposition.

99. **Option (3) is correct.**
Tendulkar Committee was an expert group formed by the Planning Commission in 2009 and chaired by Suresh Tendulkar to review poverty estimation methodology. According to the commission, the national poverty line in rural areas in 2011-12 is estimated to be Rs 816 per capita per month in villages and Rs 1,000 per capita per month in cities using the Tendulkar methodology. The percentage of people living in poverty in 2011-12 was estimated to be 25.7% in rural areas, 13.7% in urban areas, and 21.9% overall.

100. **Option (2) is correct.**
The Battle of Buxar took place on October 22, 1764, in what is now known as Buxar, Bihar. In the Buxar War, the troops of Bengal's Nawab Mir Qasim, Awadh's Nawab Shuja-ud-Daula, and Mughal Emperor Shah Alam II fought the East India Company. The Treaty of Allahabad was signed in 1765 to end the conflict. The British Empire was created in India following the Battle of Plassey. The East India Company, led by Robert Clive, waged a war against the Nawab of Bengal (Siraj-Ud-Daulah) and his French Cavalry in 1757. The fight occurred during the time of the Mughal empire (also known as the later Mughals) but after Aurangzeb's death.