

Note: All questions carry equal Marks

Section – I

Logical Test

Marks 30

1. A shopkeeper sells some articles at the profit of 25% on the original price. What is the exact amount of profit? To find the answer, which of the following information given in Statements I and II is/are necessary?

- I. Sale price of the article
- II. Number of articles sold

- A. Only I is necessary
- B. Only II is necessary
- C. Either I or II is necessary
- D. Both I and II are necessary
- E. None of these

2. Class A has a higher enrollment than Class B.
Class C has a lower enrollment than Class B.
Class A has a lower enrollment than Class C.
If the first two statements are true, the third statement is

- A. True
- B. False
- C. Uncertain

3. Look at this series: 2, 1, $(1/2)$, $(1/4)$, ... What number should come next?

- A. $(1/3)$
- B. $(1/8)$
- C. $(2/8)$
- D. $(1/16)$

4. Look at this series: 21, 9, 21, 11, 21, 13, 21, ... What number should come next?

- A. 14
- B. 15
- C. 21
- D. 23

5. Look at this series: 1000, 200, 40, ... What number should come next?

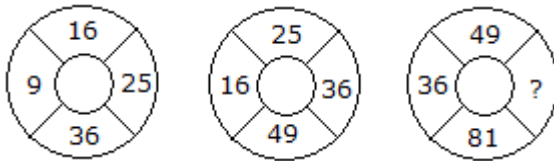
- A. 8
- B. 10
- C. 15
- D. 20

6. Which one will replace the question mark ?

A ₂	C ₄	E ₆
G ₃	I ₅	?
M ₅	O ₉	Q ₁₄

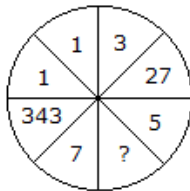
- A. L₁₀ B. K₁₅ C. I₁₅ D. K₈

7. Which one will replace the question mark ?



- A. 64 B. 144 C. 169 D. 25

8. Which one will replace the question mark ?



- A. 25 B. 625 C. 125 D. 50

In each of the following questions find out the alternative which will replace the question mark.

9. CUP : LIP :: BIRD : ?

- A. BUSH B. GRASS C. FOREST D. BEAK

10. Conference : Chairman :: Newspaper : ?

- A. Reporter B. Distributor C. Printer D. Editor

11. Ornithologist : Bird :: Archeologist : ?

- A. Islands B. Mediators C. Archeology D. Aquatic

12. If $A + B$ means A is the brother of B; $A - B$ means A is the sister of B and $A \times B$ means A is the father of B. Which of the following means that C is the son of M?

- A. $M - N \times C + F$ B. $F - C + N \times M$
C. $N + M - F \times C$ D. $M \times N - C + F$

13. Pointing to a woman, Abhijit said, "Her granddaughter is the only daughter of my brother." How is the woman related to Abhijit?

- A. Sister B. Grandmother C. Mother-in-law D. Mother

14. P is the mother of K; K is the sister of D; D is the father of J. How is P related to J?

- A. Mother B. Grandmother C. Aunt D. Data inadequate

15. Arrange the words given below in a meaningful sequence.

1. Word 2. Paragraph 3. Sentence 4. Letters 5. Phrase
A. 4, 1, 5, 2, 3 B. 4, 1, 3, 5, 2
C. 4, 2, 5, 1, 3 D. 4, 1, 5, 3, 2

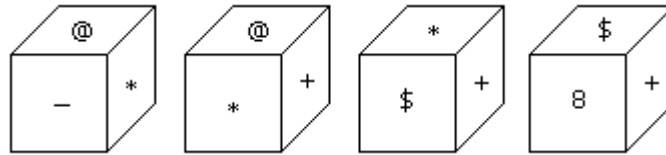
16. Arrange the words given below in a meaningful sequence.

1. Family 2. Community 3. Member 4. Locality 5. Country
A. 3, 1, 2, 4, 5 B. 3, 1, 2, 5, 4
C. 3, 1, 4, 2, 5 D. 3, 1, 4, 5, 2

17. Arrange the words given below in a meaningful sequence.

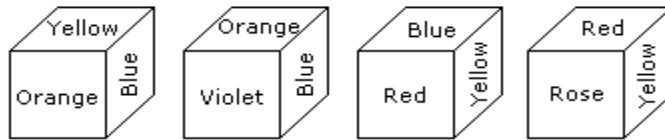
1. Protect 2. Pressure 3. Relief 4. Rain 5. Flood
A. 2, 4, 3, 1, 5 B. 2, 4, 5, 1, 3
C. 2, 5, 4, 1, 3 D. 3, 2, 4, 5, 1

18. Which symbol will be on the face opposite to the face with symbol * ?



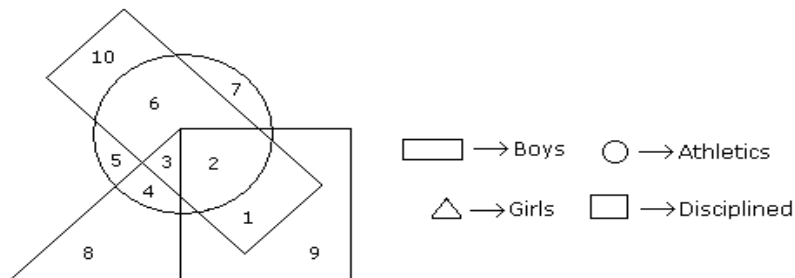
- A. @ B. \$ C. 8 D. +

19. From the four positions of a dice given below, find the color which is opposite to yellow ?



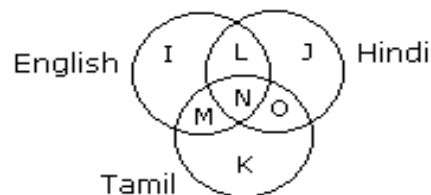
- A. Violet B. Red C. Rose D. Blue

20. In the following diagram the boys who are athletic and are disciplined are indicated by which number?



- A. 1 B. 2 C. 10 D. 6

21. Study the diagram and identify the people who can speak only one language.



- A. L + M + O B. K + J + I C. K D. I

22. How many persons who take tea and wine but not coffee ?

- A. 20 B. 17 C. 25 D. 15

23. How many persons are there who take both tea and coffee but not wine ?

- A. 22 B. 17 C. 7 D. 20

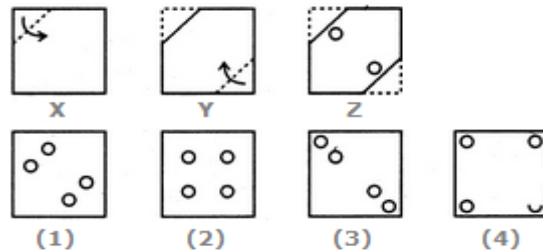
24. How many persons take wine ?

- A. 100 B. 82 C. 92 D. 122

25. How many persons takes all the three ?

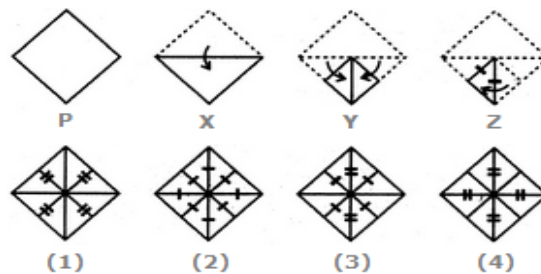
- A. 20 B. 17 C. 25 D. 15

26. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



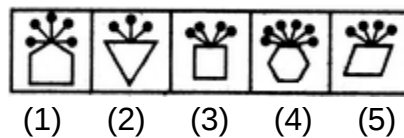
- A. 1 B. 2 C. 3 D. 4

27. Choose a figure which would most closely resemble the unfolded form of Figure (Z).



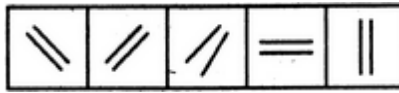
- A. 1 B. 2 C. 3 D. 4

28. Choose the figure which is different from the rest.



- A. 1 B. 2 C. 3 D. 4 E. 5

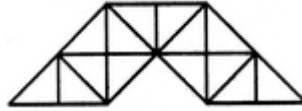
29. Choose the figure which is different from the rest.



(1) (2) (3) (4) (5)

A. 1 B. 2 C. 3 D. 4 E. 5

30. Find the number of triangles in the given figure.



A. 23 B. 27 C. 29 D. 31

31. Film and TV institute of India is located at

- A. Pune (Maharashtra) B. Rajkot (Gujarat)
- C. Pimpri (Maharashtra) D. Perambur (Tamilnadu)

32. First Chief of the Army staff (India) was

- A. Gen. K.M. Cariappa B. Vice-Admiral R.D. Katari
- C. Gen. Maharaja Rajendra Singhji D. None of the above

33. Headquarters of UNO are situated at

- A. New York, USA B. Hague (Netherlands)
- C. Geneva D. Paris

34. Dr. Zakir Hussain was

- A. the first Muslim president of India B. first vice president of India
- C. first president of Indian National Congress D. first speaker of Lok Sabha

35. India has largest deposits of ____ in the world.

- A. gold B. copper C. mica D. None of the above

36. India's first satellite is named after

- A. Aryabhatta B. Bhaskara II C. Bhaskara I D. Albert Einstein

37. In a normal human body, the total number of red blood cells is

- A. 15 trillion B. 20 trillion C. 25 trillion D. 30 trillion

38. How many times has Brazil won the World Cup Football Championship?

- A. Four times B. Twice C. Five times D. Once

39. IDA stands for

- A. Indian Development Agency B. International Development Agency
- C. Industrial Development Analyses D. None of the above

40. In cricket, the two sets of wickets are

- A. 18 yards apart B. 20 yards apart
- C. 22 yards apart D. 24 yards apart

41. Logarithm tables were invented by

- A. John Napier B. John Doe
- C. John Harrison D. John Douglas

42. Malfunctioning of which of the following organs causes jaundice?

- A. Stomach B. Pancreas C. Liver D. Kidney

43. Kathak, Nauntanki, Jhora and Kajri are the important dances of

- A. Uttaranchal B. Uttar Pradesh C. Jharkhand D. Chhattisgarh

44. Mother Teresa won the Nobel Prize for Peace in

- A. 1992 B. 1979 C. 1988 D. 1954

45. Neil Armstrong and Edwin Aldrin were the first to

- A. step on the moon B. circle the moon
- C. walk in space D. journey into space

46. The Enron project is a

- A. hydro-electric project B. thermal power project
- C. atomic power project D. gas-fired power project

47. World War II was fought between

- A. Axis Power (Germany, Italy and Japan) against the Allies (Britain, USSR, USA, France)
- B. Austria, Hungary, Turkey against France, USA, Japan
- C. both (a) and (b)
- D. None of the above

48. The Homolographic projection has the correct representation of

- A. shape B. area C. baring D. distance

49. The great Victoria Desert is located in

- A. Canada B. West Africa C. Australia D. North America

50. The leading state in producing paper is

- A. Bihar B. West Bengal C. Kerala D. Orissa

51. Who wrote the famous book - 'We the people'?

- A. T.N.Kaul B. J.R.D. Tata
C. Khushwant Singh D. Nani Palkhivala

52. Who is the author of the book 'Forbidden Verses'?

- A. Salman Rushdie B. Abu Nuwas
C. Ms. Taslima Nasrin D. D.H. Lawrence

53. In which year was the 'All India Radio' set up?

- A. 1936 B. 1927 C. 1947 D. 1950

54. The famous book 'The Daughter of the East' is written by

- A. Ms. Taslima Nasreen B. Ms. Benazir Bhutto
C. Ms. Aung San Suu Kyi D. Ms. Bandaranaike Sirimavo

55. The element common to all acids is

- A. hydrogen B. carbon C. sulphur D. oxygen

56. From which mineral is radium obtained?

- A. Rutile B. Haematite C. Limestone D. Pitchblende

57. Kilowatt is a unit to measure

- A. work B. power C. electricity D. current

58. Isotopes are separated by

- | | |
|--------------------|----------------|
| A. crystallisation | B. sublimation |
| C. distillation | D. filtration |

59. Nuclear fission is caused by the impact of

- | | | | |
|------------|-----------|-------------|-------------|
| A. neutron | B. proton | C. deuteron | D. electron |
|------------|-----------|-------------|-------------|

60. The metal used to recover copper from a solution of copper sulphate is

- | | | | |
|-------|-------|-------|-------|
| A. Na | B. Ag | C. Hg | D. Fe |
|-------|-------|-------|-------|