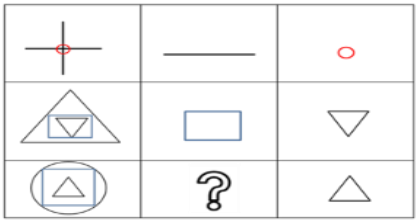
Class 8 Practice Paper [Logical Reasoning] - Olympiad

1. How many 4's are there in the given sequence which are immediately preceded by 7 and immediately followed by 6? 7 4 4 9 5 4 7 6 5 4 9 8 7 4 6 7 6 5 3 2 4 6 7 8
   (A) 3 (B) 2 (C) 4 (D) None of these

2. In a movie theatre, X was sitting 10^{th} from the left end and Z was sitting 10^{th} from the right end. Y was on the 6^{th} seat from X towards his right and 7^{th} to the left of Z. How many seats are there in a row?
   (A) 40 (B) 43 (C) 32 (D) 42

3. 5 : 7 : : 15 : _____
   (A) 35 (B) 21 (C) 24 (D) 37

4. The figure which will come in place of the question mark is



   (A) (B) (C) (D)

5. If '1 A B + C C A = 8 9 5' and there is no carry on addition, then the value of B is
   (A) 3 (B) 7 (C) 4 (D) 2

6. Seen through a mirror, the time on a wall clock is seen as 9:00. What is the actual time?
   (A) 3:30 (B) 9:30 (C) 12:15 (D) 3:00

7. In a code language if POSE is coded as OQNPRTDF, then the word TYPE will be coded as
   (A) SUXZOQFD (B) SUXZQOFD (C) SUXZOQDF (D) SUXZQODE

8. Among five boys. Vasant is taller than Manohar, but not as tall as Raju. Jayant is taller than Dutta, but shorter than Manohar. Who is the tallest in the group?
   (A) Raju (B) Manohar (C) Vasant (D) cannot be determined

9. Logically arrange the given: - 1. College 2 Child 3 Salary 4 School 5 Employment
   (A) 1, 2, 4, 3, 5 (B) 2, 4, 1, 5, 3 (C) 4, 1, 3, 5, 2 (D) 5, 3, 2, 1, 4

10. Q's mother is the sister of R and daughter of S and N is the daughter of R and sister of M. How is `M' related to S?
    (A) Son (B) Son's Son (C) Brother (D) Daughter's Son

11. A man goes towards East 5 km, then he takes a turn to South-West and goes 5 km. He again takes a turn towards North-West and goes 5 km with respect to the point from where he started, where is he now?
    (A) At the starting point (B) In the West
    (C) In the East (D) In the North-East

12. Complete the series: - 2, 6, 12, 20, 42, 56, 72, 90
    (A) 20 (B) 21 (C) 30 (D) 12

13. Match is related to Victory in the way as Examination is related to ____
    (A) Write (B) Appear (C) Success (D) Prepare

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14. Pick the odd one out:
(A) DEGJ (B) QRTW (C) JKNQ (D) YZBE

15. A cube is painted with blue colour on its five faces. If this cube is cut into 27 small cubes, how many small cubes have no face painted?
(A) 11 (B) 2 (C) 4 (D) 1

16. If shyam drives at 2/3rd of his usual speed, he covers a certain distance in three hours more than the time he takes while driving at his usual speed. Find the time taken by him to cover this distance with his usual speed.
(A) 8 hrs (B) 5 hrs (C) 6 hrs (D) 7 hrs

17. 1. Poverty 2, Population 3, Death 4, Unemployment 5, Disease
(A) 3, 4, 2, 5, 1 (B) 2, 4, 1, 5, 3 (C) 2, 3, 4, 5, 1 (D) 1, 2, 3, 4, 5

18. Pooja said to her friend, "Yesterday I attended the birthday party of the son of the only son-in-law of my mother's mother". How is Pooja related to the man, whose birthday party she attended?
(A) Niece (B) Daughter (C) Sister (D) Mother

19. Statements: No women teacher can play. Some women teachers are athletes.
Conclusions: I. Male athletes can play. II. Some athletes can play.
(A) Only conclusion I follow (B) Only conclusion II follows
(C) Both I and II follow (D) Neither I nor II follows

20. CMM, EOO, GQQ, _____, KUU
(A) GRR (B) GSS (C) ISS (D) ITT

21. Underlined word followed by four answer choices. You will choose the word that is a necessary part of the underlined word.
(A) Cactus (B) Arid (C) Oasis (D) Flat

22. The problem consists of three statements. Based on the first two statements, the third statement may be true, false, or uncertain.
All the trees in the park are flowering trees. Some of the trees in the park are dogwoods.
All dogwoods in the park are flowering trees. If the first two statements are true, the third statement is
(A) True (B) False (C) uncertain (D) Other

23. If March 1 of a leap year fell three days after Friday, what day of the week will dawn on November 22?
(A) Saturday (B) Sunday (C) Thursday (D) None of these

24. 5/9:7/13:: 10/19?
(A) 14/26 (B) 14/27 (C) 14/23 (D) 14/25

25. My father has two brothers. The youngest has two sons and one daughter. The eldest one has one son and two daughters and remaining one has three sons. If my father has four nephews, how many cousins have I got?
(A) 6 (B) 4 (C) 7 (D) 5

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