

Olympiad Foundation

SAMPLE PAPER CLASS 8th



OLYMPIAD FOUNDATION



Division of Marks

S.No.	Topic/Section	No. of Question	Marks
1	Science	25	25
2	HOTS (High Order thinking Skill)	10	10
3	Reasoning & Mental Ability	15	15
	Total	50	50

INSTRUCTIONS :

1. Use Blue/Black ballpoint pen only to darken the appropriate circle.
2. Mark should be dark and should completely fill the circle.
3. Dark only one circle for each entry.
4. Dark the circle in the space provided only.
5. Rough work must not be done on the answer sheet and do not use white- fluid or any rubbing material on Answer Sheet.
6. Each question carries one mark.

Select the correct answer and darken your answer in the table :

SCIENCE

1. The hearing range of human ear is -
(A) 20 Hz to 20,00 Hz (B) Less than 20 Hz
(C) More than 20,000 Hz (D) 20 Hz to 25,000 Hz
2. The voice box is called :
(A) Stomach (B) Heart
(C) Larynx (D) Mouth
3. The place where animals receive protection is called :
(A) Zoo (B) National parks
(C) Rock shelters (D) None of these
4. Project Tiger was launched on -
(A) 1 April 1973 (B) 23 May 1973
(C) 21 September 1973 (D) 25 December 1973
5. What is the gap between the orbit of mars and Jupiter called ?
(A) Asteroids (B) Comets
(C) Meteor (D) Meteorite
6. Stars appear to move from -
(A) West to east (B) East to west
(C) North to south (D) South to west
7. Egg is formed in the -
(A) Testes (B) Penis
(C) Ovary (D) None of these
8. How many modes of reproduction are there in animals ?
(A) One type (B) Two type (C) Three types (D) Four types
9. The Taj Mahal is being affected by -
(A) Noise pollution (B) Air pollution
(C) Water pollution (D) None of these
10. Most polluted river in the world is -
(A) Yamuna (B) Cavery (C) Chenab (D) Ganga

11. When two forces act in opposite directions, then net force acting two forces :
(A) Sum of two factors (B) Difference between two factors
(C) Both A & B (D) None of these
12. Magnetic force is -
(A) Contact force (B) Non - contact force
(C) Both A & B (D) None of these
13. CNG and LPG are the examples of -
(A) Solid fuels (B) Liquid fuels
(C) Gaseous fuels (D) They are not fuels
14. Ignition temperature is -
(A) Lowest temperature at catch fire
(B) Higher temperature at catch fire
(C) Any temperature
(D) None of these
15. Plastic wire is -
(A) An insulator (B) A conductor
(C) Both of these (D) None of these
16. Electroplating is based on -
(A) Magnetic effect of electricity (B) Chemical effect of electricity
(C) Heating effect of electricity (D) Physical effect of electricity
17. The metal which can be cut with a knife -
(A) Sodium and potassium (B) Barium and calcium
(C) Sodium and mercury (D) Potassium and calcium
18. When non - metals react with water then -
(A) Hydrogen gas is formed (B) Carbon dioxide gas is formed
(C) Non - metals do not react with water (D) None of these
19. A synthetic fiber which works like wool.
(A) Nylon (B) Polyester (C) Acrylic (D) PVC
20. The strongest fibre is called :
(A) Rayon (B) Nylon (C) Acrylic (D) None of these
21. Name the resin which produces spark is -
(A) Gum (B) Amber
(C) Both A & B (D) None of these

22. The like charges
(A) Repel each other
(C) No interaction takes place
(B) Attract each other
(D) All of these
23. There are _____ pairs of chromosome in human cell.
(A) 23
(B) 46
(C) 22
(D) All are wrong
24. Initially girls grow _____ than boys.
(A) Faster
(C) Both A & B
(B) Slower
(D) None of these
25. Vaccine for small pox is discovered by -
(A) Louis Pasteur
(C) Edward Jenner
(B) Alexander Fleming
(D) John Mendal

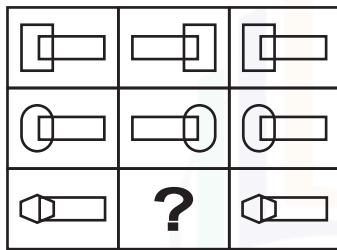
HOTS (HIGHER ORDER THINKING SKILLS)

26. Amount of nitrogen in the atmosphere is -
(A) 58%
(B) 68%
(C) 78%
(D) 88%
27. Malaria is caused by -
(A) Protozoa
(C) Algae
(B) Virus
(D) Bacteria
28. Penicillium is a -
(A) Algae
(B) Fungus
(C) Bacteria
(D) Yeast
29. Which one of these characteristics does a smooth surface has ?
(A) Less frictional force
(B) More frictional force
(C) Sometimes less and sometimes more force
(D) All the above
30. Friction is a _____.
(A) Contact force
(C) Magnetic force
(B) Non - contact force
(D) None of these
31. Seed drill is used to
(A) Sow the seeds
(C) Remove the pest
(B) Remove the weeds
(D) Mix manure in the soil
32. Weedicides are used to destroy :
(A) Insects
(B) Weeds
(C) Pests
(D) None of these

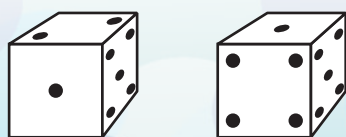
33. Coal tar contains about
 (A) 300 substance (B) 400 substance
 (C) 200 substance (D) 100 substance
34. The first oil well drilled in -
 (A) USA (B) USSR (C) UK (D) India
35. Single celled organisms are called :
 (A) Unicellular (B) Multi - cellular (C) Both A & B (D) None of these

REASONING AND MENTAL ABILITY

36. How many pairs of letters are there in the word "CASTRAPHONE" which have as many letters between them in the word as in the alphabet ?
 (A) 3 (B) 4 (C) 5 (D) 6
37. Select a suitable figure from the alternatives that would complete the figure matrix.



- (A) (B) (C) (D)
38. Which element will be fifth to the right of ninth from the right end if all the number are removed from the above arrangement ?
 5DGE<<79\$F16R%LIAJ3B#4@KP8UM2
 (A) K (B) P (C) @ (D) U
39. Vipul walks 20 meters towards North. He then turns left and walks 40 meters. He again turns left and 20 meters. Firther he moves 20 meter after turning to the right. How far is Vipul from his original position ?
 (A) 20 m (B) 30m (C) 60m (D) 50m
40. Observe the dots on a dice (one to six dots) in the following figures. How many dots are contained on the face opposite to that containing four dots ?



- (A) 6 (B) 3 (C) 2 (D) 4

41. If it is possible to make one meaningful word with the first, fourth, fifth, seventh letters of the word NURSING, using each letter only once, then which of the following will be the third of that word ?
 (A) S (B) I (C) N (D) G
42. Arrange the word given below in a meaningful sequence.
 1. Nation 2. Village 3. City 4. District 5. State
 (A) 2, 3, 4, 1, 5 (B) 2, 3, 4, 5, 1
 (C) 1, 3, 5, 4, 2 (D) 1, 2, 3, 4, 5
43. If South - East becomes North, North - East becomes West and so on. What will West become ?
 (A) North - East (B) North - West
 (C) South - East (D) South - West
44. I am facing south. I turn right and walk 20m, then I turn right and Walk 10m. Then I turn left and walk 10m and then turning right walk 20m. Then I turn right again and walk 60 m. In which direction an I from the starting point ?
 (A) North - East (B) North - West
 (C) East (D) North
45. How many pairs of letters are there in the word 'CONTEMPORARY' which have as many letters between them in the words as in the words as in the English alphabets ?
 (A) Three (B) Two
 (C) Four (D) More than four
46. A is B's sister. C is B's mother. D is C's father. E is D's mother. Then, how is A related to D ?
 (A) Grandfather (B) Grandmother
 (C) Daughter (D) Granddaughter
47. If you write down all the numbers from 1 to 100, then how many times do you write 3 ?
 (A) 11 (B) 18 (C) 20 (D) 22
48. In the following questions, a matrix of certain characters is given. These characters follow a certain trend, row - wise or column wise. Find out this trend and choose the missing character accordingly.

72	24	6
96	16	12
108	?	18

- (A) 12 (B) 16 (C) 18 (D) 20

49. Two tickets from city A to B and three tickets from city A to C cost Rs. 77 but three tickets from city A to B and two tickets from city A to C cost Rs. 73. What are the fares for cities B and C from A ?
(A) Rs. 4, Rs. 23 (B) Rs. 13, Rs. 17
(C) Rs. 15, Rs. 14 (D) Rs. 17, Rs. 13
50. Three of the following four are alike in a certain way and hence form a group. Which is the one that does not belong to that group ?
(A) Shirt (B) Shoe
(C) Ring (D) Cobbler

ANSWER KEY

- | | | | | |
|-------|-------|-------|-------|-------|
| 1. A | 11. B | 21. B | 31. A | 41. C |
| 2. C | 12. B | 22. A | 32. B | 42. B |
| 3. A | 13. C | 23. A | 33. C | 43. C |
| 4. A | 14. A | 24. A | 34. A | 44. A |
| 5. A | 15. A | 25. C | 35. A | 45. D |
| 6. B | 16. B | 26. C | 36. D | 46. D |
| 7. C | 17. A | 27. A | 37. A | 47. C |
| 8. B | 18. C | 28. B | 38. A | 48. A |
| 9. B | 19. C | 29. A | 39. C | 49. B |
| 10. D | 20. A | 30. A | 40. C | 50. D |