

# Olympiad Foundation

**SAMPLE PAPER CLASS 6<sup>th</sup>**



**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
	<b>Total</b>	<b>50</b>	<b>50</b>

### 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. Unlike poles of two magnet.  
(A) Repel each other  
(C) Attract each other  
(B) No effect for each other  
(D) All of these
2. Which of the following is the unit of work ?  
(A) Walt  
(C) Newton  
(B) Second  
(D) Joule
3. What adaptation does the given organism show ?  
(A) Strong hind leg muscles  
(C) Webbed feet  
(B) Hollow bones  
(D) Both B & C
4. Spinach is a source of vitamin  
(A) Vitamin B<sub>1</sub>  
(C) Vitamin C  
(B) Vitamin A  
(D) Vitamin K
5. Our body needs \_\_\_\_\_ liters of water in every day.  
(A) 1/2  
(C) 7-8  
(B) 2-3  
(D) 10-15
6. Vitamin and minerals are \_\_\_\_\_.  
(A) Protective food  
(C) Energy giving food  
(B) Body building food  
(D) None of these
7. The food component present in the sugar is \_\_\_\_\_.  
(A) Fats  
(B) Protein  
(C) Vitamin  
(D) Carbohydrates
8. \_\_\_\_\_ is a conductor.  
(A) Wood  
(B) Metal  
(C) Paper  
(D) Petrol
9. The base of an electric cell is an \_\_\_\_\_ terminal.  
(A) Positive  
(C) Negative  
(B) Negative and positive  
(D) None of these
10. The part of the plant which grows above the ground is \_\_\_\_\_.  
(A) Shoot system  
(C) Both A & B  
(B) Root system  
(D) None of these

11. Banana has \_\_\_\_\_ roots.  
(A) Lap (B) Lateral  
(C) Fibers (D) None of these
12. Oiled paper and butter paper are the example of \_\_\_\_\_.  
(A) Opaques object (B) Transparent object  
(C) Translucent object (D) None of these
13. A gas that is insoluble in water is  
(A) Oxygen (B) Nitrogen  
(C) Carbon dioxide (D) All of these
14. By recycling paper we can save \_\_\_\_\_.  
(A) Tress (B) Water  
(C) Oil (D) All of these
15. The gas that is essential of burning is \_\_\_\_\_.  
(A) Oxygen (B) Nitrogen  
(C) Carbon dioxide (D) Argon
16. Water is needed for \_\_\_\_\_.  
(A) Agriculture (B) Transportation  
(C) Industries (D) All of these
17. Famine occurs after  
(A) Floods (B) Drought  
(C) Both A & B (D) None of these
18. For the shadow to be formed, which of the following is / are required ?  
(A) An opaque object (B) Screen  
(C) A source of a light (D) All of above
19. Which of the following is a non - luminous source of light ?  
(A) Firefly (B) Stars  
(c) Planets (D) Both A & B
20. The fibers obtained from animals are made up of :  
(A) Proteins (B) Carbohydrates  
(C) Cellulose (D) Vitamins
21. The process of twisting fibers to make yarn is  
(A) Combing (B) Ginning  
(C) Spinning (D) Knotting

22. 'Pashmina' wool is obtained from  
(A) Camel (B) Sheep  
(C) Goat (D) None of these
23. What do you mean by 'Shearing'.  
(A) The process of sharing things.  
(B) The process of making woollen fabric from fibre.  
(C) The process of the removing hair from the body of animal.  
(D) The process of removing seeds from cotton.
24. Material that are difficult to compress are called  
(A) Hard material (B) Soft material  
(C) Sponge material (D) None of these
25. Which of the following will float on water ?  
(A) Iron nails (B) Dry leaves  
(C) Stone (D) Steel

**HOTS (HIGHER ORDER THINKING SKILLS)**

26. The method of separating substance based in size, color and shape is called \_\_\_\_  
(A) Handpicking (B) Winnowing  
(C) Sieving (D) Threshing
27. During filtration process, the dust partical which remains on filter process is called.  
(A) Filter (B) Residue  
(C) Filtrate (D) Solutions
28. Which of the following changes cannot be reversed.  
(A) Hardening of cement (B) Freezing of ice cream  
(C) Opening a door (D) Melting of chocolate
29. Salt is separate from sea water by -  
(A) Evaporation (B) Condensation  
(C) Decantation (D) Filtration
30. The part of a leaf which is attached to the stem is called.  
(A) Petiole (B) Lamina  
(C) Midrib (D) Nude
31. In the sea, plants and animal are surrounded \_\_\_\_\_ by water.  
(A) Fresh (B) Saline (C) Acidic (D) Marshy

32. Which of the following is not a predator ?  
(A) Lion (B) Antelope  
(C) Bear (D) Eagle
33. Which of the following is an biotic component ?  
(A) Dogs (B) Trees  
(C) Rocks (D) Bacteria
34. Motion of butterfly can be described as \_\_\_\_\_.  
(A) Periodic (B) Circular  
(C) Translator (D) Random
35. Standard (SI) unit of length  
(A) Meter (B) Kilometer  
(C) Kelvin (D) Meter

### **REASONING AND MENTAL ABILITY**

36. If 'diamond' is called 'gold', gold is called 'silver', 'silver' is called 'ruby' and 'ruby' is called :  
(A) Diamond (B) Silver  
(C) Gold (D) Ruby
37. In certain code 'COURT' is written as 5%@38 and 'TILE' is written as 8©\$4. How is 'CITE' written in that code ?  
(A) 5\$84 (B) 5%84  
(C) 5©84 (D) 3©84
38. Choose the word which is least like the other words in the group.  
(A) Apple (B) Carrot (C) Orange (D) Guava
39. 4, 9, 16, 25, 36, 49, \_\_\_\_?\_\_\_\_  
(A) 64 (B) 212 (C) 102 (D) 216
40. In the series given below, how many 8's are there which are exactly divisible by its immediate preceding as well as succeeding numbers ?  
2 8 3 8 2 4 8 2 4 8 6 8 2 8 2 4 8 3 8 2 8 6  
(A) One (B) Two (C) Three (D) Four
41. Pointing to a photograph, a woman says, "This man's son's sister is my mother". How is the Woman related to the man in the photograph ?  
(A) Daughter (B) Mother  
(C) Granddaughter (D) Mother - in - law



42. Insert the missing letter or numerical value in following questions

A	F	K
C	H	M
F	K	?

- (A) N (B) O (C) P (D) Q

43. B is in the east of A north of C. If M is in the south of C. In which direction of B is M?

- (A) North (B) South  
(C) South - east (D) None of these

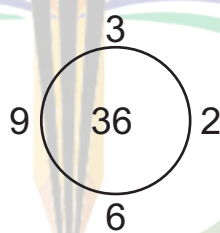
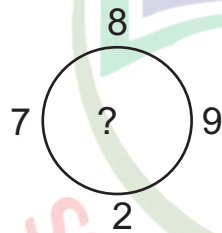
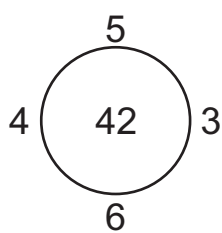
44. Sam ranked 9th from the top and 38th from the bottom in a class. How many students are there in the class ?

- (A) 45 (B) 46 (C) 47 (D) 48

45. If the code of SHIP is TGJO then the code for LOCK is \_\_\_\_\_.

- (A) MCRQ (B) NGJO  
(C) MNDJ (D) MJDN

46. Find the missing number

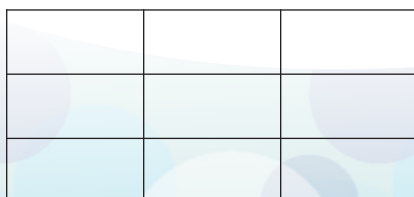


- (A) 50 (B) 51 (C) 48 (D) 49

47. Sixty students were there in a mental ability test. Ten students did not qualify, out of remaining Yogesh ranked 25th from the last. What was his rank from top ?

- (A) 27th (B) 26th  
(C) 29th (D) 28th

48. How many squares are present in the given figures ?



- (A) 9 (B) 10 (C) 11 (D) 14

49. Arrange the given words in the sequence in which they occur in the dictionary and choose the correct sequence.

- 1. Economic                      2. Earlier
- 3. Each                            4. Edition
- 5. Eager Economic

(A) 3, 4, 1, 5, 2

(B) 2, 1, 3, 5, 4

(C) 3, 2, 4, 1, 5

(D) 3, 5, 2, 1, 4

50. If P denotes 'multiplied by', Q denotes subtraction, M denotes 'added to' and L denotes 'divides by,' then  $28 \text{L} 7 \text{p} 8 \text{q} 6 \text{m} 4 = ?$

(A)  $3/2$

(B) 30

(C) 32

(D) 34

### ANSWER KEY

- 1. C
- 2. D
- 3. C
- 4. B
- 5. B
- 6. A
- 7. D
- 8. B
- 9. C
- 10. A

- 11. C
- 12. C
- 13. B
- 14. A
- 15. A
- 16. D
- 17. B
- 18. D
- 19. D
- 20. A

- 21. C
- 22. D
- 23. C
- 24. A
- 25. B
- 26. A
- 27. B
- 28. A
- 29. A
- 30. B

- 31. A
- 32. B
- 33. B
- 34. C
- 35. D
- 36. B
- 37. C
- 38. B
- 39. A
- 40. B

- 41. C
- 42. C
- 43. D
- 44. B
- 45. C
- 46. B
- 47. B
- 48. D
- 49. D
- 50. B