# Olympiad Foundation

SAMPLE PAPER CLASS 7th





## **Division of Marks**

S.No.	Topic/Sect <mark>io</mark> n	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.

TIME: 1 Hour M.M.: 50

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

### **SCIENCE**

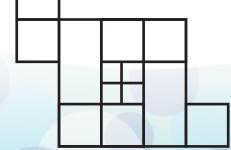
1.								
	(A) Clarified		(B) Aeration					
	(C) Vertical bars		(D) All of these					
2.	Which of following trees should be grown nearby sewage ponds?							
	(A) Eucalyptus trees		(B) Ashoka trees					
	(C) Mango tress		(D) Bananan trees					
3.	The light material which float during waste water treatment is							
	(A) Sludge		(B) Scum					
	(C) Sewerage		(D) Bio gas					
4.	The roof of a large trees the forest is called	nat serve as a roof 	to she <mark>lt</mark> er an area o	r other plants in the				
	(A) Canopy		(B) Cr <mark>o</mark> wn					
	(C) Carnival		(D) None of these					
5.	Which of the following is a	in example of dec	ompose ?					
		B) Lion	(C) Fungi	(D) Tulsi				
6.	Which of the following is r (A) Drip irrigation (B) Planting more trees (C) Water treatment plants	S						
	(D) Cutting trees to check	water loss due to	transpiration					
7.	The region covered by wat (A) Hydrosphere (C) Atmosphere	er is called	(B) Ionosphere (D) Water park					
8.	Images that cannot be cap	tured on the scre	en are called					
	(A) Virtual image		(B) Real image					
	(C) Inverted image		(D) Reflected image					
9.	Which type of mirror is use	ed in periscope ?						
	(A) Concave mirror		(B) Convex mirror					
	(C) Plane mirror		(D) None of these					

10.	(A) Resistor (C) Switch	ake of break affelec	(B) Battery (D) Ammeter	·			
11.	The magnetic effects of (A) Newton (C) Oersted	current was discove	red by (B) Joule (D) Ohm	?			
12.	The metallic ball in a pe	ndulum is called as _					
	(A) Gong (C) Rod		(B) Fork (D) Bob				
13.	. The meter that is used to measure the distance moved by the vehicle is known as						
	(A) Speedometer (C) Chronometer		(B) Odometer (D) Ammeter				
14.	Hydra produces by (A) Fragmentation (C) Spores		(B) Budding (D) Fu <mark>s</mark> ion of game	etes			
15.	Which of following does (A) Mustard (C) Rose	s not ha <mark>ve bisexual</mark> fl	lower ? (B) Papaya (D) Petunia				
16.	Name the pigment which (A) Globulin (C) Platelets	ch gives red color to	the blood in anima (B) Plasma (D) Hemoglobin	l.			
17.	Which components of b enter in the body?	olood in mammals bu	uilt up d <mark>e</mark> fense agai	nst harmful germs			
	(A) RBCs	(B) Plasma	(C) Platelets	(D) WBCs			
18.	Phloem helps in the trai (A) Food	nsport of (B) Water		(D) Carbon dioxide			
19.	Breathing is a(A) Physical, chemical (C) Physical, physical	Process while res	spiration is a (B) Chemical, phys (D) Chemical, chei	sical			
20.	Tiny hair sacs of lungs a (A) Trachea (C) Alveoli	re called	(B) Bronchi (D) Larynx				

21.	(A) Sandy soil (C) Loamy soil	(B) Clayey soil (D) None of these	<u>.</u>
22.	Soil formation is an process (A) Slow process (C) Rapid process	ess. (B) Fast process (D) None of these	2
23.	An instrument is used to study the special (A) Manometer (C) Ammeter	ed of wind, is called (B) Anemometer (D) Speedometer	
24.	The eye of a cyclone is  (A) Cloudy and highly stormy  (B) Full of strong winds  (C) Calm and cloudless  (D) Site with high atmospheric pressure		
25.	Which of the following is not an element (A) Humidity (C) Soil	nt of weath <mark>er</mark> ? (B) Temperature (D) Rain	
	HOTS (HIGHER ORI	DER THINKING SKILLS)	
26.	The special feature and habits that help known as  (A) Evolution  (C) Polymorphism	an animal survive in it (B) Adaptation (D) Hibernation	s environment are
27.	In India, rain forest are found in which (A) Andhra Pradesh (C) Assam	of the following state ? (B) Madhya Prade (D) Kerala	esh
28.	Which of the following is an chemical c (A) Boiling of water (C) Cooking a vegetable	hange ? (B) Tearing of new (D) Freezing wate	
29.	When carbon dioxide gas is passed thro	ough lime water, it turn	s lime water into
	(A) Milky (B) Blue	(C) Silver	(D) Golden
30.	Which of the following is the strong aci (A) Acetic acid (B) Nitric acid	d ? (C) Lactic acid	(D) Citric acid

31.	The most commonly used natural indicator 'Litmus' is extracted from.						
	(A) Lichens	(B) Turmeric					
	(C) Beet roots	(C) China rose					
32.	When matter gets warmer, the atoms and molecules in that matter						
	(A) Stand still	(B) Move faster					
	(C) Move slower	(D) Can't say					
33.	Which one of the following climate hot and	humid ?					
	(A) Polar climate	(B) Temperate climate					
	(C) Tropical climate	(D) Desert climate					
34.	Amylase enzyme is present in						
	(A) Bile juice	(B) Saliva					
	(C) Gastric juice	(D) Pancreatic juice					
35.	The internal factors which affects that proce	ess of photosynthesis is					
	(A) Temperature	(B) Chlorophyll					
	(C) Light	(D) None of these					
	REASONING AND MEN	TAL ABILITY					
36.	Select the pair which is related in the same was	ay as the pair of words given in Destroy :					
	(A) War: Peace	(B) Father: Son					
	(C) Soldier : Regiment	(D) Eye : Camera					
37.	Replace the question mark with suitable option	on. Month: 30:: Leap Year: ?					
	(A) 367	(D) 265					
	(71) 307	(B) 365					
	(C) 368	(B) 365 (D) 366					
38.	(C) 368  Seema is the wife of Gopi and Gopi is the browniay. What is Vijay's relation with Seema?	(D) 366 ther of Akhil. Akhil is the only uncle of					
38.	(C) 368  Seema is the wife of Gopi and Gopi is the browning. What is Vijay's relation with Seema?  (A) Son	(D) 366 ther of Akhil. Akhil is the only uncle of (B) Nephew					
38.	(C) 368  Seema is the wife of Gopi and Gopi is the browniay. What is Vijay's relation with Seema?	(D) 366 ther of Akhil. Akhil is the only uncle of					
38. 39.	(C) 368  Seema is the wife of Gopi and Gopi is the browning. What is Vijay's relation with Seema?  (A) Son  (C) Mother in law  Replace the question mark in the given letter	(D) 366 ther of Akhil. Akhil is the only uncle of  (B) Nephew  (D) Daughter  series with the correct option. URPMK?					
	(C) 368  Seema is the wife of Gopi and Gopi is the browning. What is Vijay's relation with Seema?  (A) Son  (C) Mother in law  Replace the question mark in the given letter  (A) G	ther of Akhil. Akhil is the only uncle of  (B) Nephew  (D) Daughter  series with the correct option. URPMK?  (B) E					
	(C) 368  Seema is the wife of Gopi and Gopi is the browning. What is Vijay's relation with Seema?  (A) Son  (C) Mother in law  Replace the question mark in the given letter	(D) 366 ther of Akhil. Akhil is the only uncle of  (B) Nephew  (D) Daughter  series with the correct option. URPMK?					
	Seema is the wife of Gopi and Gopi is the brown Vijay. What is Vijay's relation with Seema?  (A) Son  (C) Mother in law  Replace the question mark in the given letter  (A) G  (C) H  In the given series, some letters are missing. Seema is the brown in the brown in the brown in the given letter.	ther of Akhil. Akhil is the only uncle of  (B) Nephew (D) Daughter  series with the correct option. URPMK? (B) E (D) F					
39.	Seema is the wife of Gopi and Gopi is the browning. What is Vijay's relation with Seema?  (A) Son  (C) Mother in law  Replace the question mark in the given letter  (A) G  (C) H	ther of Akhil. Akhil is the only uncle of  (B) Nephew (D) Daughter  series with the correct option. URPMK? (B) E (D) F					

41. Group the given figures into three classes using each figure only once. (A) 1,3,5 : 2,4,7 : 6,8,9 (B) 1,5,7 : 2,3,6 : 4,8,9 (C) 1,3,5 : 2,6,7 : 4,8,9 (D) 1,6,9, : 2,4,7 : 3,5,8 42. How many pair of letters are there in the word OPERATION which has as many letters between them in the word as in the English alphabet? (A) Five (B) Six (C) Seven (D) More than seven 43. If all the vowels are removed are after reversing the English alphabetically series, then which will be the 8th letter rom the right end? (A) L (D) J (B) H (C) K 44. If 'NSCAIR' is coded as 'RIACSN', then the code for 'CREATE' will be: (A) AETERC (B) ETAERC (C) ETAECR (D) TEAERC 45. The mean, median, mode, and range for the following list of values are: 8, 9, 10, 10, 10, 11, 11, 11, 11, 13 (A) 1o.5, 10.5, 10, 11 (B) 10.5, 10.4, 10, 5 (C) 10.4, 10.5, 11, 5 (d) 10.5, 10.4, 11, 11 46. Mohit walks 6km to the east and then turns to the south and walks 5km. Again he turns to the east and walks 6 km. Next, he turns northwards and walks 10 km. How far is he now from his starting points? (A) 5 km (C) 13 km (D) 17 km (B) 12 km 47. How many squares are there in the given figure?



(A) 11 (B) 13 (C) 14

49.	P is Y's br (A) Niece (C) Aunt		is Q's fat	(B) C	: How is X related to P ? Cousin Nephew				
50.	How many 2's are there in the follow 9 but not immediately followed by 7 7 5 2 4 2 9 7 2 9 2 5 4 2 5 7 (A) 1 (B) 2						ich are imr	mmediately preceded b	
	1. 2. 3. 4. 5. 6. 7. 8. 9.	D A B A C D A A C	11. 12. 13. 14. 15. 16. 17. 18. 19.	C D B B D D A A C	21. 22. 23. 24. 25. 26. 27. 28. 29. 30.	B A B C B C	31. A 32. B 33. C 34. B 35. B 36. A 37. D 38. A 39. C 40. D	41. 42. 43. 44. 45. 46. 47. 48. 49. 50.	D D C B C C C B C

48. In an election between two candidates, one got 55% of the total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, the number of valid

(B) 2700

(D) 3100

votes that the other candidate got, was:

(A) 2500

(C) 2900