Students of Class VI, VII, VIII, IX, X and XI & XII (Science)

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SAMPLE TEST PAPER for CLASS VIII

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INSTRUCTIONS

Time duration: 1:00 hours. (Time of OMR filling is included in time duration).

Maximum Marks: 120

This Paper contains 30 questions divided in two sections

Section-A Mental Aptitude 6 questions 24 marks
Section-B Scholastic Aptitude 24 questions 96 marks

Each Question has a single correct answer. There is **NEGATIVE MARKING** for wrong answers.

Marking Scheme:

+4 marks for correct answer; -1 mark for incorrect answer

SECTION-A (MAT) MENTAL APTITUDE

1.	41, 43, 46, 51, 58, 69?						
	(a) 82	(b) 75	(c) 78	(d) 73			
2.	2/12/91, 30/12/91, 27/1/92, 24/2/92,?						
	(a) 25/2/92	(b) 23/3/92	(c) 24/2/92	(d) 21/3/92			
3.	If 'DIP' is coded as 'CHO', what should be the code for 'FOG'?						
	(a) EPN	(b) NEP	(c) ENF	(d) ECP			
4.	In a certain code language, GRAPE is written as 27354 and FOUR is written as How is GROUP written in that code?						
	(a) 27384	(b) 27684	(c) 27685	(d) 27658			
5. If table is called almirah, almirah is called chair, chair is called t.v., t.v. is fridge is called radio, then what is used to sit?							
	(a) radio	(b) almirah	(c) chair	(d) t.v.			
6.		hul travels 10 km to the North. He turns to the right and walks 5 km. Then again he rns to his right and moves 10 km forward. How many km away from starting point is ?					
	(a) 26 km	(b) 19 km	(c) 13 km	(d) 5 km			

SECTION-B (SAT) SCHOLASTIC APTITUDE TEST

7. D, E, F are the mid-point of the sides BC, CA and AB rescongruent to triangle				nd AB respectively	espectively of $\triangle ABC$. Then $\triangle DEF$ is		
	(a) ABC	(b) AFE, BFD,	, CDE	(c) BFD, CDE	(d) AEF		
8.	A reduction of 20% in the price of sugar enables a purchaser to obtain $2\frac{1}{2}$ kg more for						
	Rs. 160. Find	the original price	per kg of suga	r.			
	(a) 12	(b) 16		(c) 14	(d) 18		
9.	Two trains leave a railway station at the same time. The first train travels due west and the second train due north. The first train travels 5 kg/hr faster than the second train. If after two hours, they are 50 km apart, find the average speed of each train.						
	(a) 20 km/hr,	15 km/hr		(b) 22 km/hr, 15 km/hr			
	(c) 20 km/hr, 18 km/hr			(d) 22 km/hr, 18 km/hr			
10.	The speed of a boat in still water is 15 km/hr. It can go 30 km upstre downstream to the original point in 4 hrs. 30 min. The speed of the stre			-			
	(a) 5 km/hr	(b) 8 km/hr		(c) 10 km/hr	(d) 15 km/hr		
11.	The value of	$\frac{(0.013)^3 + }{(0.013)^2 - 0.013 \times}$	$\frac{(0.007)^3}{0.007 + (0.007)^3}$	$\overline{7}$) ² is			
	(a) 0.006	(b) 0.02		(c) 0.0091	(d) 0.00185		
12.	Find the value	e of x if $\frac{5x-4}{8} - \frac{x}{8}$	$\frac{-3}{5} = \frac{x+6}{4}$.				
	(a) 4	(b) 8		(c) 10	(d) 12		
13.	When a body move with uniform velocity then						
	(a) it has zero acceleration						
	(b) it moves along a straight line path						
	(c) average velocity = instantaneous velocity						
	(d) All the above						
14.	A wave completes 20 vibrations in 2.5s. Its frequency is						
	(a) 20 Hz	(b) 8 Hz		(c) 200 Hz	(d) 50 Hz		
15.	When the object is at focus of a concave mirror, the image is formed at						
	(a) focus			(b) centre of cu	rvature		
	(c) within focus			(d) infinity			

16.	An inflated rubber balloon is rubbed with a woolen cloth whereas a ballpoint pen refill is rubbed with a polythene bag. Which of thse will get positively charged?						
	A. Inflated rubber balloon						
	B. Woolen cloth						
	C. Ballpoint pen refill						
	D. Polythene bag						
	(a) A and B	(b) B and C	(c) A and D	(d) B and D			
17.	Sound travels with a different speed in different media. In what order does the velocity of sound increase in these media?						
	(a) Water, iron an	d air	(b) Iron, air and wate	er			
	(c) Air, water and iron		(d) Iron, water and air				
18.	Which of the following are harmful effects of friction?						
	(a) Friction generates heat, which may damage machines						
	(b) Friction causes wear and tear						
	(c) Friction slows down motion						
	(d) All the above (d) infinity						
19.	Which of the following is correct?						
	Column I		Column II				
	A. Electron		(i) Positive charge				
	B. Proton		(ii) No charge				
	C. Neutron		(iii) Negative charge				
	(a) A (iii), B (i) C (ii)		(b) A (i), B (ii) C (iii)				
	(c) A (iii), B (ii) C (i)		(d) A (ii), B (i) C (iii)				
20.	The number of molecules in 16.0 g of oxygen is:						
	(a) 6.02×10^{23}	(b) 6.02×10^{-23}	(c) 3.01×10^{-23}	(d) 3.01×10^{23}			
21.	A cell converts:						
	(a) electrical energy into chemical energy						
	(b) chemical energy into electrical energy						
	(c) magnetic energy into electrical energy						
	(d) electrical energy into mechanical energy						
22.		e having maximum temperat		(1)			
	(a) luminous	(b) non-luminous	(c) dark zone	(d) none of these			
23.	_	ol from a sheep is called					
	(a) sericulture (b) shearing (c) spuning (d) ginning						
24.	Which of the following elements is not a metal?						
	(a) Calcium	(b) Copper	(c) Potassium	(d) Sulphur			

- **25.** Biogas is a mixture of: (a) methane + CO_2 (b) methane + CO_2 (c) ethane + CO_2 (d) ethane + CO_2
- **26.** Which of the following statements is not correct
 - (a) A chemical equations tells us about the substances involved in a reaction.
 - (b) A chemical equations informs us about the symbols and formula of substances involved in a reaction.
 - (c) A chemical equations tells us about the atom or molecules of the reactants and products involved in a reaction.
 - (d) All are correct.
- **27.** Function of ribosomes is
 - (a) Energy generation

(b) Photosynthesis

(c) Protection

(d) Protein synthesis

- 28. Plasmolysis results from
 - (a) Exosmosis
- (b) Endosmosis
- (c) osmosis
- (d) absorption

- **29.** Anthrax is a animal disease caused by
 - (a) Virus
- (b) Fungus

- (c) Bacteria
- (d) Parasite
- **30.** Growing two or more crops in the field in definite row pattern
 - (a) Mixed cropping (b) Crop rotation
- (c) Intercropping
- (d) none

Dream on !! &&&&

ANSWER KEY

SECTION-A (MAT) MENTAL APTITUDE

1. (a)

2. (b)

3. (c)

4. (c)

5. (d)

6. (d)

SECTION-B (SAT) SCHOLASTIC APTITUDE TEST

7. (b)

8. (b)

9. (a)

10. (a)

11. (b)

12. (b)

13. (d)

14. (b)

15. (d)

16. (b)

17. (c)

18. (d)

19. (a)

20. (d)

21. (b)

22. (b) **27.** (d) **23.** (b) **28.** (a) **24.** (d) **29.** (c) **25.** (a) **30.** (c) **26.** (d)