

ACADEMIC SESSION : 2021-22

SAMPLE TEST PAPER (For VII to VIII Moving)

Duration : 18 Min.

Max. Marks : 96

Name : _____ Application Form Number _____

Reg. Number :

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GENERAL INSTRUCTIONS

1. There are 5 pages in the booklet containing **24** questions of **Physics (01 to 04), Chemistry (05 to 08), Mathematics (09 to 16), Biology (17 to 20) & Mental Ability (21 to 24)**, each question carry 4 mark.
2. Blank papers, clip boards, log tables, slide rule, calculators, mobile or any other electronic gadgets in any form is not allowed.
3. Write your Name and Roll No. in the space provided at the top of this booklet.
4. Before answering the paper, fill up the required details in the blank space provided in the answer sheet.
5. Do not forget to mention your roll number neatly and clearly in the blank space provided in the answer sheet.
6. No rough sheets will be provided by the invigilators. All the rough work is to be done in the blank space provided in the question paper.
7. In case of any dispute, the answer filled in the OMR sheet available with the institute shall be final.

MARKING CRITERIA

No. of Questions	Type	Marks		
		Correct	Incorrect	Blank
1-24	Only one correct	Q.No. 1 to 24 (4 Mark each)	-1 negative marks	0

PHYSICS

This section contains 4 multiple choice questions. Each question has four choices (1),(2),(3) and (4) out of which only one is correct

1. Wind currents are generated due to
(1) Uneven heating of earth surface (2) Change in atmospheric pressure
(3) Thunderstorm (4) Cyclone
2. Which of the following is not a scale of temperature ?
(1) Kelvin (2) Calorie (3) Fahrenheit (4) Reaumur
3. Winds at the eye of a cyclone are
(1) Unstable (2) Frantic (3) Calm (4) Fast
4. Chemical reactions which take place inside a cell provides
(1) force (2) energy (3) product (4) pressure

CHEMISTRY

This section contains 4 multiple choice questions. Each question has four choices (1),(2),(3) and (4) out of which only one is correct

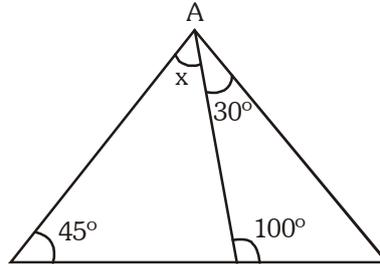
5. Which among the following is an organic acid?
(1) Sulphuric acid (2) Hydrochloric acid
(3) Acetic acid (4) Carbonic acid
6. Dried sludge can be used as
(1) Pesticide (2) Manure (3) Cleaning agent (4) None of these
7. Separation of seeds from cotton bolls is called
(1) Winnowing (2) Weaving (3) Ginning (4) Spinning
8. Burning of coal is a
(1) Periodic change (2) Chemical change (3) Releases CO₂ (4) Both (2) and (3)

MATHEMATICS

This section contains 8 multiple choice questions. Each question has four choices (1),(2),(3) and (4) out of which only one is correct

9. Simplify the algebraic expressions by removing grouping symbols
 $- a - [a + \{a + b - 2a - (a - 2b)\} - b]$
(1) $- 2a$ (2) $- 2b$ (3) $2b$ (4) $2a$

10. In the following figure, the value of x is



- (1) 45° (2) 55° (3) 50° (4) 65°

11. Which figure has the correct line of symmetry for letter M



12. If two straight lines are parallel to a third straight line, then the straight lines are themselves _____.

- (1) Intersecting (2) Concurrent (3) Parallel (4) None of these

13. The rational number $\frac{27}{250}$ as decimals is

- (1) 0.107 (2) 0.11 (3) 0.109 (4) 0.108

14. Arrange the rational numbers $\frac{-7}{10}, \frac{5}{-8}, \frac{2}{-3}$ in ascending order

- (1) $\frac{-7}{10} < \frac{-2}{3} < \frac{-5}{8}$ (2) $\frac{-7}{10} < \frac{-5}{8} < \frac{-2}{3}$ (3) $\frac{-2}{3} < \frac{-7}{10} < \frac{-5}{8}$ (4) None of these

15. If $P = 7x^2 + 5xy - 9y^2$, $Q = 4y^2 - 3x^2 - 6xy$ and $R = -4x^2 + xy + 5y^2$, then $P + Q + R = ?$

- (1) 0 (2) 1 (3) xy (4) $x^2 + y^2$

16. The reciprocal of $(-4)^3$ is

- (1) $(-4)^{1/3}$ (2) $\left(\frac{1}{4}\right)^3$ (3) $\left(\frac{1}{-4}\right)^3$ (4) $\left(\frac{1}{4}\right)^{-3}$

BIOLOGY

This section contains 4 multiple choice questions. Each question has four choices (1),(2),(3) and (4) out of which only one is correct

17. The liquid part of blood is called

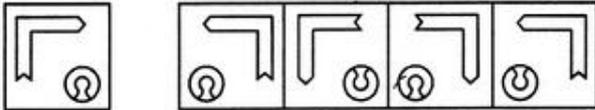
- (1) Matrix (2) Lymph (3) Plasma (4) Stroma

18. Fusion of male & female gamete to form zygote is called _____
 (1) Fertilization (2) Parthenocarp (3) Double fertilization (4) Triple fusion
19. The top soil most suitable for growth of plants is
 (1) rocky (2) sandy (3) clayey (4) loamy
20. Process of expelling of undigested food is called
 (1) Ingestion (2) Digestion (3) Egestion (4) Assimilation

MENTAL ABILITY

This section contains 4 multiple choice questions. Each question has four choices (1),(2),(3) and (4) out of which only one is correct

21. Choose the correct mirror image of the given figure (X) from amongst the four alternatives.



(X) (1) (2) (3) (4)

22. Which letter should be ninth letter to the left of ninth letter from the right end, if the first half of the english alphabet is reversed?
 (1) D (2) E (3) F (4) I
23. In a row of forty children, P is thirteenth from the left end and Q is ninth from the right end. How many children are there between P & R if R is fourth to the left of Q
 (1) 12 (2) 13 (3) 14 (4) 15
24. If + means \div , \div means $-$, $-$ means \times and \times means $+$, then $12 + 6 \div 3 - 2 \times 8 = ?$
 (1) -2 (2) 2 (3) 4 (4) 8

Space for rough work

R-NET (SAMPLE PAPER) (VII to VIII moving students)

ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Ans.	1	2	3	2	3	2	3	4	2	2	2	3	4	1	1	3	3	1	4	3
Que.	21	22	23	24																
Ans.	1	2	3	3																