

ACADEMIC SESSION : 2021-22

SAMPLE TEST PAPER (For VIII to IX 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 05), Chemistry (06 to 10), Mathematics (11 to 15), Biology (16 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

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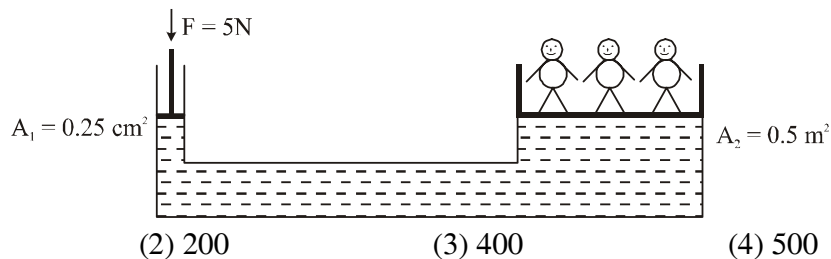
PHYSICS

This section contains 5 multiple choice questions. Each question has four choices (1),(2),(3) and (4) out of which only one is correct

1. Electroplating is the method of coating one metal with another using an electric current, then choose the correct statement :
 - (1) In this method object to be coated is made the cathode (connected to negative terminal of the battery) and metal to be deposited is made the anode (connected to positive terminal of the battery)
 - (2) In this method object to be coated is made the anode (connected to negative terminal of the battery) and metal to be deposited is made the cathode (connected to positive terminal of the battery)
 - (3) In this method object to be coated is made the anode (connected to positive terminal of the battery) and metal to be deposited is made the cathode (connected to negative terminal of the battery)
 - (4) In this method object to be coated is made the cathode (connected to positive terminal of the battery) and metal to be deposited is made the anode (connected to negative terminal of the battery)

2. Which of the following statement is correct :
 - (1) Both, sound and light waves in air are longitudinal
 - (2) Both, sound and light waves in air are transverse
 - (3) Sound waves in air are transverse and light waves are longitudinal
 - (4) Sound waves in air are longitudinal and light waves are transverse

3. In a hydraulic lift shown in figure, a force of 5N is applied on one end then how many childrens having weight 500 N each, can be lifted from the platform attached at other end.



4. Atmospheric pressure :
 - (1) Increases with height above earth surface
 - (2) Decreases with height above earth surface
 - (3) Remains same for all heights above earth surface
 - (4) Is zero at earth's surface

5. Instrument used to detect charge on a body is called as :
 - (1) Galvanometer
 - (2) Ammeter
 - (3) Electroscopce
 - (4) Voltmeter

CHEMISTRY

This section contains 5 multiple choice questions. Each question has four choices (1),(2),(3) and (4) out of which only one is correct

6. Petroleum is _____ natural resource.
(1) Inexhaustible (2) Exhaustible (3) Both (1) and (2) (4) None of these
7. Incomplete combustion of fuel such as petrol and diesel mostly gives
(1) Nitrogen oxide (2) Sulphur dioxide (3) Carbon monoxide (4) Carbon dioxide
8. Which of the following is non-metal?
(1) Zn (2) Al (3) Fe (4) N
9. Which one of the following is a polyester used for making bottles, utensils, films?
(1) Leather (2) Nylon (3) PET (4) None of these
10. Which of the following statement is not correct?
(1) Generally metals are solids at room temperature.
(2) Generally metals are good conductors of heat and electricity.
(3) All metals form basic oxides.
(4) Metals generally possess lusture when freshly cut.

MATHEMATICS

This section contains 5 multiple choice questions. Each question has four choices (1),(2),(3) and (4) out of which only one is correct

11. Simplify : $(4^{-1} + 8^{-1}) \div \left(\frac{2}{3}\right)^{-1}$
(1) $\frac{1}{2}$ (2) $\frac{3}{4}$ (3) $\frac{1}{4}$ (4) $\frac{1}{8}$
12. By selling a towel for Rs. 126.90, a shopkeeper loses 6%. For how much should he sell the towel to gain 4%. ?
(1) Rs. 135 (2) Rs. 1404.00 (3) Rs. 140.40 (4) Rs. 1350
13. A's mother is four times as old as A. After five years, her mother will be three times as old as he will be then. What are their present ages.
(1) (10, 40)yr (2) (5, 20)yr (3) (13, 52)yr (4) (11,44)yr
14. Rectangle prism is also called as
(1) Cuboid (2) Cube (3) Square (4) None
15. If in a quadrilateral ABCD, $AB \parallel DC$ and AD is not parallel to BC, then which type of quadrilateral is this ?
(1) Parallelogram (2) Rectangle (3) Square (4) Trapezium

BIOLOGY

This section contains 5 multiple choice questions. Each question has four choices (1),(2),(3) and (4) out of which only one is correct

16. Bacteria differ from other plants in that they do not have
 (1) DNA (2) RNA
 (3) cell wall (4) a well defined nucleus
17. A National Park provides protection to
 (1) flora only (2) fauna only
 (3) flora and fauna (4) entire ecosystem
18. Separating the grain from chaff by wind is called
 (1) winnowing (2) hybridisation
 (3) threshing (4) harvesting
19. Animal cell is limited by
 (1) Plasma membrane (2) Nuclear membrane
 (3) Cell wall (4) Basement membrane
20. The semipermeable barrier between the protoplasm and outer environment in a plant cell is
 (1) Cell membrane (2) Nuclear membrane
 (3) Cell wall (4) Tonoplast

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. HORSE is written in certain code as BUNGY and CAT as HOW, how will CHEST be written?
 (1) OBYGW (2) WYGBN (3) UNHBY (4) HBYGW
22. Choose the alternative which is closely resembles the water-image of the given combination.
 A1M3b
 (1) A1M3b (2) A1M3P (3) A1M3P (4) A1M3P
23. Vikas walked 10 metres toward North, took a left turn and walked 15 metres, and again took a left turn and walked 10 metres and stopped walking. How far and in which direction is he now from the starting point?
 (1) 15 m, East (2) 15 m, West (3) 5 m, South (4) 10 m, North
24. Find the missing term in the following series.
 1, 1, 4, 8, 9, 27, 16, ?
 (1) 32 (2) 64 (3) 81 (4) 256

Space for rough work

R-NET (SAMPLE PAPER) (VIII to IX 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	4	2	2	3	2	3	4	3	3	3	3	1	1	3	4	4	1	1	1
Que.	21	22	23	24																
Ans.	4	3	2	2																