

Roll No.
Name...

A/21-22
No. of Printed Pages : 02

Annual Examination 2021-2022
Subject - Science

Time : 3 Hrs.

Class - 9

M.M. : 70

Note:- All question are compulsory. Marks are indicated against each question.

.. Tick the correct option.

- (i) Which of the following is non-communicable disease ? 1
(a) Malaria (b) Diarrhoea (c) Diabetes (d) Cholera
- (ii) The symbol of iron is- 1
(a) I (b) Fe (c) F (d) Ir
- (iii) J. Chadwick discovered. 1
(a) Proton (b) Electron (c) Neutron (d) Nucleus
- (iv) Who discovered cell. 1
(a) Robert Brown (b) Schleiden (c) Leeuwenhock (d) Robert Hooks
- (v) Which one is electronic configuration of sodium ? 1
(a) 2, 8 (b) 8, 2, 1, (c) 2, 1, 8 (d) 2, 8, 1
- (vi) The SI unit of velocity is- 1
(a) m/s^2 (b) m/s (c) m (d) km/h
2. Which organelle is known as the powerhouse of the cell ? 1
3. What does the odometer of an automobile measure ? 1
4. Name the three sub-atomic particles of an atom ? 1
5. Which disease is caused by bite of infected dog ? 1
6. Write the chemical formula of common salt ? 1
7. Name the scientist who gave the laws of motion ? 1
8. What is full form of HIV ? 1
9. Give two examples of mixture ? 1
10. What is Newton's first law of motion ? 2
11. When do we say that work is done ? 2
12. What is a tissue ? 2

13. Why are lysosomes known as suicide bags ? 2
14. Describe Bohr's model of the atom ? 2
15. Write down the formulae of- 2
- (a) Magnesium Chloride (b) Calcium Hydroxide.
16. What are the functions of the stomata ? 2
17. What is the kinetic energy of an object ? 2
18. What is the kinetic energy of a body of mass 1 kg. moving with a speed of 2m/s. 2
19. What are the common symptoms of infection ? 2
20. Name three types of simple tissues ? 2
21. What is the law of constant proportions ? 3
22. How many types of elements together make up the xylem tissue? Name them. 3
23. Why do you fall in the forward direction when a moving bus brakes to a stop ? 3
24. List the points of differences between homogeneous and heterogeneous mixtures ? 3
25. What precautions can you take in your school to reduce the incidence of infectious diseases ? 3
26. How much work is done by a force of 10N in moving an object through a distance of 1m in the direction of the force ? 3
27. Draw labelled diagram of a typical plant cell ? 4
28. (a) Calculate the relative molecular mass of water (H_2O). 2
- (b) Calculate the molecular mass of HNO_3 . 2
- (Atomic mass of H = 1, Atomic mass of O = 16, Atomic mass of N=14)

OR

Draw a labelled diagram of Neuron.

29. Differentiate between uniform motion and Non-uniform motion. 4
30. Differentiate between striated, unstriated and cardiac muscle ? 4

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