FM

FIRST MID TERM TEST - 2023

SCIENCE

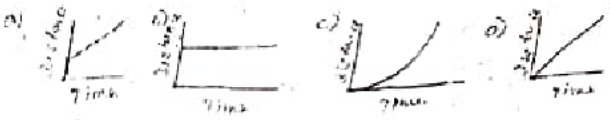
CLASS :7

TIME : 1.30 Hrs.

MARKS :50

I **Choose the best option.** 5 X 1 = 5

1. Light year is the unit of
   a) Distance b) Time c) Density d) Both length and time
2. Which of the following figure represent uniform motion of a moving object correctly?



3. ..... are positively charged. a) Protons b) Electrons c) Molecules d) Neutrons
4. Reproductive part of a plant is a) Root b) Stem c) Leaf d) Flower
5. Climbing roots are seen in a) Betel b) Black pepper c) Both of them d) None of theme

II **Fill in the blanks.** 5 X 1 = 5

6. Density of Mercury is .....
7. The rate of change of velocity is .....
8. The ..... revolve around the nucleus.
9. Breathing roots are seen in ..... plants.
10. The male reproductive part of a flower is .....

III **State true or false. If false correct the statement.** 5 X 1 = 5

11. A ball of iron floats in Mercury.
12. Water is denser than Kerosene.
13. The SI unit of acceleration is m/s.
14. The electrons are positively charged.
15. Ginger is an underground root.

IV **Match the following.** 5 X 1 = 5

16.	Density	-	Increasing the area of its base
17.	Equibrium	-	Cactus
18.	C	-	Electrons in the outermost orbit
19.	Valency	-	Carbon
20.	Phylloclade	-	Kg/m^3

V **Answer very briefly.** 10 X 2 = 20

21. What is one light year?
22. Use the analogy to fill in the blanks.
    a) Area : m^2 : volume : ..... b) Water : Kerosene : : ..... : Aluminium.
23. The dimension of a school play ground is 800 m x 500 m. Find the area of the ground.
24. Distinguish between speed and velocity.
25. What is centre of gravity?
26. A car starts from rest and it is travelling with a velocity of 20 m/S in 10S. What is its acceleration?
27. Name the sub - atomic particles.
28. What is atomic number?
29. Define Isotope.
30. Why Neutrons are called neutral particle?
31. Define - atom.
32. What is cross pollination?
33. What are the two important parts of a flower?
34. **Assertion :** An example for conical root is carrot.
    Reason : It is an adventitious root modification.
    a) Assertion is incorrect. Reasoning is correct. b) Assertion is incorrect. Reasoning is incorrect.
    c) Assertion is correct. Reasoning is correct. d) Assertion is correct. Reasoning is incorrect.

VI **Answer any two of the following.** 2 X 5 = 10

35. How will you determine the density of a stone using a measuring jar?
36. Explain the types of stability with suitable examples.
37. The atomic number and the mass number of an element is 26 and 56 respectively. Calculate the number of Electrons, Protons and Neutrons in its atom. Draw the structure.
38. Label the picture given below.