

Class : 7Register
Number**FIRST MID TERM TEST - 2023**

Time Allowed : 1.00 Hours]

SCIENCE

[Max. Marks : 30

PART - A**I. Choose the correct answer.****6x1= 6**

- Which of the following is a derived quantity?
(a) mass (b) time (c) area (d) length
- SI unit of density is
(a) Kg/m² (b) Kg/m³ (c) Kg/m (d) g/m³
- The ----- is a positively charged
(a) Proton (b) electron (c) Neutron (d) Molecule
- A particle is moving in a circular path of radius r. The displacement after half a circle would be.
(a) Zero (b) r (c) 2r (d) r/2
- Pollinators are
(a) Wind (b) Water (c) Insect (d) All the above
- Climbing roots are seen in ----
(a) betal (b) black pepper (c) Insect (d) All the above

PART - B**II. Fill in the blanks.****4x1=4**

- The area of a leaf can be measured using -----
- The shortest distance between two places is -----
- The ----- revolve around the nucleus.
- Breathing roots are seen in -----

PART - C**III. Answer the following : (Any 5)****5x2=10****11. Match it:**

- | | | |
|--------------|---|---------------------|
| i) Area | - | light year |
| ii) Distance | - | m ³ |
| iii) Density | - | m ² |
| iv) Volume | - | Kg / m ³ |

12. What are the derived quantities?

13. Use the Analogy.

i) Water : Kerosene :: ----- : Aluminium.

ii) Length of Scale : Metre :: Speed of Aeroplane : -----

14. i) Velocity : metre / Second :: Acceleration : -----

ii) Displacement / time : velocity

Speed / time : -----

15. What is centre of gravity?

16. Define - Pollination.

17. What is Atomic number?

PART - D

V. Answer in Detail.

2x5=10

18. a) How will you determine the density of a stone using a measuring jar?

(OR)

b) Explain the types of stability with suitable examples.

19. a). Draw the flower and label its parts?

(OR)

b) Explain the underground Stems.