

THANJAVUR DISTRICT

TFM

FIRST MID TERM TEST - 2024

7- Std

SCIENCE

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Time : 1.15 Hrs.

MARKS : 30

I. CHOOSE THE CORRECT ANSWER.

5 X 1 = 5

1. Light year is the unit of
(a) distance (b) time (c) density (d) Both length and time.
2. 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
3. The basic unit of matter is.....
(a) element (b) atom
(c) molecule (d) electron.
4. Reproduction 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 them.

II. Fill in the blanks.

5 X 1 = 5

6. Density of mercury is
7. In equilibrium, the centre of gravity remains at the same height when it is displaced.
8. The revolve around the nucleus.
9. There are two electrons in the outermost orbit of the magnesium atom. Hence, The valency of magnesium is
10. After fertilization the ovule becomes

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

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|---|--------------------|
| 11. (i) Displacement | - Knot |
| (ii) Light travelling through vacuum | - Geometric centre |
| (iii) Speed of ship | - Metre |
| (iv) Centre of gravity of geometrical
shaped objects | - Larger base area |
| (v) Stability | - Uniform velocity |

IV. Write any 5 questions only:**5 X 2 = 10**

12. What are derived quantities?
13. Define – Astronomical unit.
14. Distinguish between the volume of liquid and capacity of a container.
15. What is centre of gravity?
16. Name the sub-atomic particles.
17. Why neutrons are called neutral particles?
18. What are the two important parts of a flower?
19. What are thorns?

V. Write any 1 question only:**1 X 5 = 5**

20. How will you determine the density of a stone using a measuring jar?
21. Draw the structure of an atom and explain the position of the sub-atomic particles.
22. **In the given picture label any 5 parts alone.**
(stigma, pistil, filament, ovule, sepal, stamen, petal, style, anther, ovary)

