

FIRST MID TERM TEST - 2024

Standard - VII

Time: 1.30 hrs

SCIENCE

Marks:50

I Choose the correct answer.

5x1=5

1. S.I. Unit of density is _____
 a) kg/m^2 b) kg/m^3 c) kg/m d) g/m^2
2. Light year is the unit of _____
 a) distance b) Time c) density d) Both length and time
3. 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) $r/2$
4. Nucleons comprises of _____
 a) protons and electrons b) neutrons and electrons
 c) protons and neutrons d) neutrons and positrons
5. Reproductive part of a plant is _____
 a) root b) Stem c) leaf d) flower

II Fill in the blanks

5x1=5

6. Density of mercury is $13,600 \text{ kg/m}^3$
7. Volume of irregularly shaped objects are measured using the law of _____
8. The rate of change of Velocity is _____
9. The _____ revolve around the nucleus.
10. _____ is the basal swollen part of the gynoecium.

III State true or false, if false correct the statement.

5x1=5

11. The region covered by the boundary of a plane figure is called the Volume.
12. A ball of iron floats in Mercury. **F**
13. An atom is electrically neutral. **T**
14. The basic unit of an element is molecules. **F**
15. Ginger is an underground root. **T**

(2)

VII Science

IV Match the following

5x1=5

- | | | |
|-----------------|---|-----------------------|
| 16. Mass | - | Monovalent |
| 17. Stability | - | Fe |
| 18. Hydrogen | - | amount of a substance |
| 19. Iron | - | Opuntia |
| 20. Phylloclade | - | Larger base area |

V Answer any 12 questions.

12x2=24

21. What are derived quantities?
22. Define the density of objects.
23. What is one light year?
24. Define Astronomical Unit.
25. What is Centre of gravity?
26. What do you mean by constant acceleration?
27. Name the sub - atomic particles.
28. What is atomic number?
29. Define Pollination.
30. What are the important parts of a flower?
31. What are thorns?
32. What are isotones? Give one example.
33. Analogy :
 - (i) Sun : Nucleus :: Planets : _____
 - (ii) Liquid : Litre :: Solid : _____
34. Write two types of reproduction in Plants.

VI Answer briefly (any two)

2x3=6

35. Distinguish between Speed and Velocity.
36. Differentiate Mass number from Atomic number.
37. Differentiate bisexual flower from Unisexual flower.

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