

FORMATIVE ASSESSMENT - FIRST MID TERM

SCIENCE

Max. Marks: 50

Std - VII

Time: 2 Hrs

Name of the School:	Name of the Student:
Place:	Roll No.:

I. Choose the correct answer: 5 x 1 = 5

1. SI unit for density is _____.
a) g/cc b) m⁻³ c) kgm⁻³ d) kg/litres
2. Which of the following is a derived quantity?
a) temperature b) time c) speed d) length
3. Impure substances are called _____.
a) elements b) compounds c) mixtures d) none of these
4. The reproductive part of a plant is _____.
a) root b) stem c) leaf d) flower
5. Pollinators are _____.
a) wind b) water c) insect d) all the above

II. Fill in the blanks: 6 x 1 = 6

6. _____ gives the amount or extent of a surface.
7. 1 light year = _____ m.
8. The number of atoms present in a molecule is called its _____.
9. Compounds contain two or more _____. Combined in a fixed ration by _____.
10. The androecium is the _____ reproductive part of the flower.
11. Wheat, rice, and maize are _____ pollinated flowers.

III. Match the following: 5 x 1 = 5

12. cm² - Opuntia
13. Litre - Iron
14. Pure substances - Area
15. Phylloclade - Petals
16. Corolla - Volume

IV. Answer the following:

12 x 2 = 24

17. State True or False. If false, correct the statement.
- a) A ball of iron floats in mercury.
 - b) The astronomical unit is a larger unit than the light year.
 - c) All metals are malleable and ductile.
 - d) The colourful outer whorl of the flower containing petals is the calyx.
18. Consider the statements labeled as assertion and reason and choose the correct option.
- a) Assertion: Wood floats in water.
Reason: Water is a transparent liquid.
 - b) Assertion: Gynoecium is the innermost whorl or the female reproductive part of the flower.
Reason: A pistil is made up of a thin long stalk called the filament, and a knob-like structure on top, called the anther.
- A) Both assertion and reason are true and reason is the correct explanation of the assertion.
B) Both assertion and reason are true, but the reason is not the correct explanation of the assertion.
C) The assertion is true, but the reason is false.
D) The assertion is false, but the reason is true.
19. Analogy: Mercury: Liquid at room temperature :: Oxygen: _____.
20. Pick the odd one out from each of the following sets, giving reasons.
- a) Set 1 - bromine, boron, iodine, sulphur
 - b) Set 2 - water, iron, carbon dioxide, glucose
21. Answer the following in 1 or 2 sentences:
- a) Write the formula for carbon monoxide and glucose.
 - b) What are the different parts of the stamen?
22. Give the examples for the following:
- a) Solid non-metals
 - b) Compounds
23. Draw a diagram of Epiphytic roots and mark its parts.
24. Answer the following questions: (Any 5)
- a) What are derived quantities? Give two examples
 - b) Why does a stone sink while a wood log floats in water?
 - c) What is sublimation?
 - d) What are metalloids? Give two examples.
 - e) Write notes on phylloclade.
 - f) What is vegetative propagation?

V. Answer in detail. (Any 2)

2 x 5 = 10

25. Explain in detail how to measure the area of a banyan leaf.
26. Compare metals and non-metals based on any 4 properties.
27. What is pollination? Describe the two types of pollination.