

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**

- SI units for density is _____.
a. g/cc b. m^{-3} c. kgm^{-3} d. kg/litres
- Which of the following is a fundamental quantity? _____.
a. speed b. volume c. density d. mass
- An example of gaseous element is _____.
a. Sodium b. Potassium c. Nitrogen d. Iron
- Spirogyra reproduces asexually by _____.
a. fragmentation b. budding c. spore d. leaves
- Wheat, rice, and maize are _____ pollinated flowers.
a. insect b. wind c. animals d. water

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

- The area of a leaf can be measured using _____.
- 1 light year = _____ m.
- Impure substances are called _____.
- Compounds contain two or more elements combined in a fixed ratio by _____.
- The androecium is the _____ reproductive part of the flower.
- Lotus, water lily and water hyacinth are examples of plants that grow in _____ water habitats.

III. Match the following:**5 x 1 = 5**

- | | | |
|----------------------|---|----------|
| 1. Light year | - | Boron |
| 2. cm^2 | - | Deserts |
| 3. Metalloid | - | Papaya |
| 4. Unisexual flowers | - | Area |
| 5. Xerophytes | - | Distance |

IV. Answers the following: (Any 12)**12 x 2 = 24**

1. What are fundamental quantities? Give two examples.
2. Define area. What is the SI unit used to describe area?
3. Why does a stone sink while a wood log floats in water?
4.
 - (i) Assertion volume of a stone is found using a measuring cylinder.
Reason: Stone is a transparent liquid.
 - (ii) Assertion: Wood floats in water
Reason: Water is a transparent liquid.
 - a) If both assertion and reason are true and reason is the correct explanation of assertion
 - b) If both assertion and reason are true, but reason is not the correct explanation.
 - c) Assertion true but reason is false.
5. Define volume. What is the SI unit used to describe volume?
6. Analogy question.
 1. Mercury: Liquid at room temperature :: Oxygen : _____
 2. Atoms : fundamental particle of an element. ::
_____ : fundamental particles of compound.
7. What are metalloids? Give 2 examples.
8. Why is Na used as the symbol for Sodium?
9. What do you mean by atomicity of elements?
10.
 - A. Assertion : The taproot system is mainly seen in dicots.
Reason : The thick primary root is the dominant root that performs all the important function.
 - a) Both A and R are true
 - b) A is true but R is false
 - c) Both A and R are false
 - d) A is false but R is true
 - B) The following statements are true (or) false:
 - (i) The fusion of the male gamete with the female gamete is called pollination.
11. Define reproduction.
12. How do bees and insects help in pollination?
13. How are plants classified based on their water requirements.
14. What are the different parts of the stamen?

V. Answer the detail: (Any 2)**2 x 5 = 10**

1. Sugar dissolves in water but not in kerosene.
Find a method to find density of sugar using a liquid, over flow jar, measuring jar and balance.
2. Compare metals and non-metals based on any 4 properties.
3. What is the difference between a tap root and a fibrous root system?
4. What is pollination? Describe the two types of pollination.