



## FORMATIVE ASSESSMENT - FIRST MID TERM

### SCIENCE

**Max. Marks: 50**

**Std - VII**

**Time: 2 Hrs**

<b>Name of the School:</b>  <hr/>	<b>Name of the Student:</b>  <hr/>
<b>Place:</b>  <hr/>	<b>Roll No.:</b>  <hr/>

**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. $cm^2$	-      Opuntia
13. Litre	-      Iron
14. Pure substances	-      Area
15. Phylloclade	-      Petals
16. Corolla	-      Volume

#### **IV. Answer the following:**

$$12 \times 2 = 24$$

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:

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)**

$$2 \times 5 = 10$$

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.