

**SUMMATIVE ASSESSMENT – FIRST TERM****SCIENCE****Max. Marks: 60****Std - VII****Time: 2 Hrs****I. Choose the correct answer:****12 x 1 = 12**

1. A solid of density 0.92 g/cc will \_\_\_\_\_.  
a. sinks in water      b. sinks in kerosene      c. floats in kerosene      d. cannot say
2. SI units for density is \_\_\_\_\_.  
a. g/cc      b.  $m^{-3}$  c.  $kgm^{-3}$       d. kg/litres
3. When a body is thrown vertically upwards its velocity will \_\_\_\_\_.  
a) increase      b. not change      c. decrease      d. increase and decrease
4. Stability of an object can be increased by \_\_\_\_\_.  
a. raising the position of its center of mass.      b. lowering the position of its centre of mass.  
c. increasing the area of its base.      d. decreasing the area of its base.
5. The number of atoms present in a molecule is called its \_\_\_\_\_.  
a) atomicity      b. mass number      c. atomic number      d. none of the above
6. Impure substances are called \_\_\_\_\_.  
a. mixtures      b. compound      c. molecule      d. atom
7. The 2 sub-atomic particles with similar mass are \_\_\_\_\_ and \_\_\_\_\_.  
a. electron, proton      b. proton, neutron      c. electron, neutron      d. none of the above
8. Spirogyra reproduces asexually by \_\_\_\_\_.  
a. fragmentation      b. budding      c. spore formation      d. regeneration
9. Wheat, rice and maize are \_\_\_\_\_ pollinated crops.  
a. insects      b. wind      c. water      d. animal
10. \_\_\_\_\_ is an example of communicable diseases.  
a. Asthma      b. Chicken pox      c. Heart diseases      d. Cancer
11. \_\_\_\_\_ is a mild form of gum disease in children that leads to swollen and sore gums.  
a. Gingivitis      b. Caries      c. Plaque      d. None of the above
12. 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

**II. Answer the following questions: (Any 14)****14 x 2 = 28**

13. Fill in the blanks with suitable answer.  
a) \_\_\_\_\_ is the SI unit for retardation.  
b) Acceleration due to gravity is an example of \_\_\_\_\_ acceleration.
14. List any two conditions to increase the stability of a body.
15. What are derived quantities? Give two examples.

16. Why does a stone sink while a wood log floats in water?
17. State true or false. If false correct the statement.
  - a) Body falls on the earth as they have mass.
  - b) Displacement can be more than distance.
18. Define light year.
19. Give two examples for the following.
  - a) Gaseous elements
  - b) Compounds
20. Why is 'Na' used as the symbol for sodium?
21. What are metalloids? Give two examples.
22. Pick the odd one out from each of the following sets, giving reasons.
  - a) gold, silver, copper and mercury
  - b) water, milk, mercury and bromine
23. Analogy questions:
  - a) Sun : Nucleus :: Planets : \_\_\_\_\_
  - b) K : Potassium :: C : \_\_\_\_\_
24. What is an atomic number?
25. If the valency of Na is 1 and O is 2. What will be the formula of sodium oxide?
26. Match the following:
 

|                      |   |          |
|----------------------|---|----------|
| a) mint              | - | papaya   |
| b) phylloclade       | - | taproots |
| c) unisexual flowers | - | opuntia  |
| d) banyan            | - | herb     |
27. What is pneumatophores?
28. What are the two important parts of a flower?
29. State True or False. If false, correct the statement.
  - a) The fusion of the male gamete with the female gamete is called pollination.
  - b) The colourful outer whorl of the flower containing petals is the calyx.
30. Define health.
31. Why is a good posture important?
32. Draw and label the parts of clinging root.

**III. Answer in detail: (Any 4)**

**4 x 5 = 20**

33. Differentiate between:
  - a) Speed and velocity
  - b) Uniform acceleration and variable acceleration
34. A body gets decelerated as it moves away from the earth and accelerates as it approaches the earth. Explain.
35. Compare metals and non-metals based on any 4 properties.
36. What are the three sub-atomic particles present in an atom? Tabulate their mass and charge.
37. Describe the different types of storage roots based on their shape.
38. What is the difference between a communicable and a non-communicable disease?
39. What is anaemia? What are the foods recommended to people suffering from anaemia?