

FORMATIVE ASSESSMENT - SECOND MID TERM

SCIENCE

Max. Marks: 50

Std - VI

Time: 2 Hrs

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

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

1. Best conductor of heat is \_\_\_\_\_

a. iron                      b. glass                      c. silver                      d. rubber
2. The unit for measuring heat energy is \_\_\_\_\_

a. calorie                      b. kilogram                      c. squaremeter                      d. cc
3. Formation of curd from milk is \_\_\_\_\_

a. reversible change                      b. fast change

c. irreversible change                      d. undesirable change
4. A control centre of the eukaryotic cell is \_\_\_\_\_

a. cell wall                      b. nucleus                      c. vacuoles                      d. chloroplast
5. The unit of measurement used for expressing dimension of cell is \_\_\_\_\_

a. centimeter                      b. millimeter                      c. micrometer                      d. meter

II. Fill in the blanks: 5 x 1 = 5

6. The material used to make heating coils is \_\_\_\_\_
7. Cultivation of crops is a \_\_\_\_\_
8. Cell wall is present in \_\_\_\_\_ cells
9. Parts of a cell are called \_\_\_\_\_
10. The genetic material of a cell is contained within the \_\_\_\_\_

III. Short answers: (any 7) 7 x 2 = 14

11. Who am I?

a. I am a shiny liquid used in thermometers. \_\_\_\_\_

b. I am the standard unit of temperature. \_\_\_\_\_
12. True or false:

a. Temperature of a body decreases when heat energy increases.

b. Materials do not conduct heat are called insulators.

13. Circle the odd one and give a reason.
  - a. Bursting of crackers, burning of paper, bursting of a balloon, germination of seeds.
  - b. Melting, condensation, freezing, rusting.
14. Friction might cause forest fires. Do you agree with this?
15. Assertion: The melting of ice is an endothermic change.  
Reason: Endothermic change involves the liberation of heat.
  - a. Both A and R are correct and R explains A
  - b. Both A and R are correct, but R does not explain A
  - c. A is true and R is false
  - d. A and R are false
16. Analogy:
  - a. Prokaryote : Cyanobacteria :: Eukaryote : \_\_\_\_\_
  - b. Amoeba : Unicellular :: Monkey : \_\_\_\_\_
17. Arrange in a correct sequence.
  - a. Hen egg, Ostrich egg, Insect egg
  - b. Mango tree, Bacteria, Spirogyra
18. Name the cell organelle that is found only in plant cells.
19. What are colourless plastids called?
20. Match the following:
 

a. Chlorophyll	-	mitochondria
b. Enzymes	-	lysosomes
c. Powerhouse	-	biocatalysts
d. Suicide bag	-	green pigment

**IV. Answer in brief: (any 4)**

**4 x 4 = 16**

21. Give four uses of solar energy.
22. Distinguish between heat and temperature.
23. Differentiate between periodic and non-periodic changes.
24. What is the difference between vacuoles in plant and animal cells?
25. Distinguish between cytoplasm and protoplasm.
26. Which organelle sticks on to the endoplasmic reticulum giving it a rough appearance?

**V. Answer in detail:**

**2 x 5 = 10**

27. a. Differentiate between physical and chemical changes.  
**(Or)**  
b. What are the components of a solution? Explain each of them.
28. a. Lysosomes are known as suicide bags of the cell. Why?  
**(Or)**  
b. Why is the plasma membrane a semi-permeable membrane?