

## Std. 8 General Science

Marks : 20      Ch.7 The structure of a cell and microorganism

### Q1 Fill in the blanks [3 M ]

1. The study of cells is called -----.  
a) cytology    b) zoology    c) biology
2. The -----regulates the flow of substances that enter into or pass out of the cell.  
a) vacuole      b) cell membrane      c) mitochondrion
3. Some harmful fungi cause -----diseases.  
a) throat      b) skin      c) mouth

### Q2 State whether True or False [3 M ]

1. Animal cells do not have chlorophyll.
2. Yeast cells belong to the class of Algae.
3. Vacuoles in the plant cells are small in size and few in number.

### Q3 Complete the correlation [2M ]

1. Cytoplasm : Organelles :: Chromosomes : -----
2. Penicillium : Penicillin :: Staphylococcus :

### Q4 Answer in one sentence [3 M ]

1. Of which substance is cell wall made up of ?
2. Which organelle is called the powerhouse of a cell?
3. Where does Clostridium grow?

### Q5 Distinguish between [4M ]

1. Plant cell and Animal cell
2. Virus and Bacteria

### Q6 Give scientific reasons .( Any Two ) [4M ]

1. Some bacteria increase the fertility of the soil.
2. Fungi are called saprophytic .
3. We should not use uncovered food.

### Q7 Answer any THREE of the following. [6 M ]

1. Write a short note on harmful bacteria .
2. Explain the function of the nucleus.
3. List the characteristic of cell membrane.
4. What is virus? Explain its structure.
5. Draw neat and labeled diagram of Plant cell and Animal cell .