

Chapter- The fundamental unit of life

1 Mark Questions

1. Why is the cell called the unit of structure and function in a living organism?
2. Is an elephant cell longer than the cell of a rat? Why?
3. Explain why do the smaller cells have better efficiency?
4. Write the composition & function of the cell wall.
5. Define the process of Diffusion.

2 Mark Questions

1. How do the new cells arise from the pre-existing cells?
2. What do you mean by a selectively permeable membrane?
3. What are cell organelles ?
4. What is cellulose and its functions?
5. What is a Prokaryotic cell? Give an Example.
6. What are vacuoles? What are their functions?.
7. What is E.R.? Name two types of ER. Write its main functions..
8. Write the Function of Chromatin material.

3 Mark Questions

1. Differentiate the terms:
 - (i) Hypotonic
 - (ii) Isotonic
 - (iii) Hypertonic
2. Differentiate between prokaryotic and eukaryotic organisms.
3. Draw a neat and labelled diagram of plant cell.
4. Write the characteristics of living cell.
5. (a) What is plasma membrane and cell wall?
(b) Is plasma membrane living or dead?

5 Mark Questions

1. Explain the ultrastructure and function of Mitochondria.
2. Differentiate between plasma membrane and cell membrane

