

UNIT- 6 – CELL: THE UNIT OF LIFE**I. Answer in brief (2/3 marks)**

1. What is resolution?
2. What is magnification?
3. Name the three type of compound microscope.
4. What are the differences between compound microscope and electron microscope?
5. State cell theory.
6. State protoplasm theory.
7. What are mesokaryotes?
8. What are lysosomes? Mention their function.
9. What are peroxisomes and glyoxysomes?
10. What are vacuoles?
11. What are cell inclusions? Mention some of the cell inclusions.
12. What is 'SAT' chromosome?
13. Mention the types of chromosome (based on the position of centromere)
14. What are flagella and cilia?

II. Answer in a paragraph (5 marks)

1. Explain the physical properties of protoplasm.
2. What are the differences between prokaryotes and Eukaryotes?
3. What are the differences between plant cell and animal cell?
4. Give an account of cell wall.
5. Give an account of cell membrane. Add a note on its functions.
6. Describe the structure and functions of endoplasmic reticulum.
7. Describe the structure and functions of mitochondria.
8. Describe the structure and functions of chloroplast.
9. Describe the structure and functions of Ribosomes.
10. Give an account of nucleus.
11. Describe the structure of chromosome.
12. Give an account of special types of chromosomes.