

- Q. 1.** Describe how cells are structural and functional unit of life?
- Q. 2.** Which is the smallest cell known so far?
- Q. 3.** What is cell membrane?
- Q. 4.** What is Cytoplasm?
- Q. 5.** Write the difference between plant and animal cell.
- Q. 6.** Write the difference between cell wall and cell membrane.
- Q. 7.** Why new cells are needed to be produced?
- Q. 8.** What are the stages of cell cycle?
- Q. 9.** Which stage is the longest stage?
- Q. 10.** What produces spindle fibers in a cell of animals?
- Q. 11.** What initiates cell division?
- Q. 12.** Name the phases of cell cycle?
- Q. 13.** Define Mitosis?
- Q. 14.** Describe a cell during-
- a. Prophase
  - b. Metaphase
  - c. Anaphase
  - d. Telophase.
- Q. 15.** What is Cytokinesis?
- Q. 16.** Write the difference between cytokinesis in plant and animal cell.
- Q. 17.** What is the significance of mitosis?
- Q. 18.** What is the significance of Meiosis?
- Q. 19.** Write the difference between Meiosis and Mitosis.

**Q. 20.** Define cell cycle.

**Q. 21.** Define reductional division.

**Q. 22.** What is DNA?

**Q. 23.** What is DNA finger printing?

**Q. 24.** What is DNA composed of?

**Q. 25.** What is Nucleotide?

**Q. 26.** What are Histones?

**Q. 27.** What is Centromere?

**Q. 28.** On the basis of centromere cell can be classified to how many groups?