

CELL – STRUCTURE AND FUNCTIONS

Subtopic: Parts of the cell- Cell membrane, Nucleus, Cytoplasm, plastids, vacuoles, Ribosomes, Lysosomes.

Section 1

1 Mark T for True or F for False.

1 a. Chromosomes can be seen only when the cell unites.

1 b. Cytoplasm is called the living substance of the cell.

2 Choose the correct answer.

Which of the following statements are correct?

- a) Gene is one form of hereditary characteristic.
- b) Plastids are of different colours scattered in the cytoplasm of the leaf cells.
- c) Both a and b.
- d) None of the above.

Section 2

3 Fill in the blanks.

_____ is a unit of inheritance in living organisms.

4 Draw and label Human Cheek cells.

Section 3

Answer the questions in brief.

5. What are the basic components of a cell?

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6. Define cytoplasm.

7. Define nucleus.

8. Difference between Prokaryotic cells and Eukaryotic cells.

Section 4

Answer the questions in detail.

9. Explain about the cell membrane, Ribosomes, Lysosomes and cytoplasm in detail with a neat diagram.

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10. Explain about the Nucleus, Plastids, and Vacuoles in detail with a neat diagram.
