

Chapter – 8 | Cell: The Unit of Life**QUIZ
PART-05**

1. Cell wall was studied by Robert Hooke in —

- A. 1831
- B. 1665
- C. 1972
- D. 1898 (B)

Explanation : Robert Hooke studied the cell wall in 1665.

2. Cell wall is found outside the plasma membrane in —

- A. Plants and fungi
- B. Animals only
- C. Human RBC only
- D. Mammalian nerve cells only (A)

Explanation : Cell wall is a rigid, non-living covering outside the plasma membrane of plants and fungi.

3. Plant cell wall is made up of —

- A. Cellulose, hemicellulose, pectin and proteins
- B. Only phospholipids
- C. Only DNA
- D. Chitin and glycogen only (A)

Explanation : These are the components of plant cell wall.

4. Middle lamella is mainly composed of —

- A. Calcium pectate
- B. Chlorophyll
- C. DNA
- D. Tubulin (A)

Explanation : Middle lamella is mainly made of calcium pectate.

5. Cytoplasmic connections between neighbouring cells are called —

- A. Plasmodesmata
- B. Cristae
- C. Cisternae
- D. Grana (A)

Explanation : Plasmodesmata connect the cytoplasm of neighbouring cells.

6. Which organelle is not included in the endomembrane system?

- A. Endoplasmic reticulum
- B. Golgi apparatus
- C. Lysosome
- D. Mitochondria (D)

Explanation : Mitochondria, chloroplasts and peroxisomes are not part of the endomembrane system.

7. Rough endoplasmic reticulum has —

- A. Ribosomes on its outer surface
- B. No ribosomes
- C. Only DNA
- D. Only chlorophyll (A)

Explanation : RER has ribosomes attached to its outer surface.

8. Smooth endoplasmic reticulum is the main site of —

- A. Lipid synthesis
- B. DNA replication only
- C. Ribosome formation
- D. Chromosome formation (A)

Explanation : SER is the main site of lipid synthesis in animal cells.

9. Golgi apparatus was named after —

- A. Camillo Golgi
- B. George Palade
- C. Robert Hooke
- D. Rudolf Virchow (A)

Explanation : Golgi apparatus was named after Camillo Golgi.

10. Golgi apparatus mainly helps in —

- A. Packaging and delivery of materials
- B. Formation of cell wall only
- C. Production of ATP only
- D. Formation of chromosomes only (A)

Explanation : Golgi apparatus packages materials and delivers them inside or outside the cell.