

Chapter – 8 | Cell: The Unit of Life**QUIZ
PART-06**

1. Lysosomes are formed by packaging in the —

- A. Golgi apparatus
- B. Nucleus
- C. Chloroplast
- D. Cell wall (A)

Explanation : Lysosomes are membrane-bound vesicles formed by packaging in the Golgi apparatus.

2. Lysosomes contain —

- A. Hydrolytic enzymes
- B. Chlorophyll only
- C. Cellulose only
- D. Calcium pectate only (A)

Explanation : Lysosomes contain enzymes such as hydrolase, lipase, protease and carbohydrase.

3. Lysosomal enzymes are most active in —

- A. Acidic condition
- B. Neutral condition only
- C. Alkaline condition only
- D. Dry condition (A)

Explanation : Hydrolytic enzymes of lysosomes are active in acidic conditions.

4. Vacuole is covered by a membrane called —

- A. Tonoplast
- B. Crista
- C. Thylakoid
- D. Nuclear pore (A)

Explanation : Vacuole is surrounded by a single membrane called tonoplast.

5. Contractile vacuole in Amoeba helps in —

- A. Osmoregulation and excretion
- B. Photosynthesis
- C. Protein synthesis
- D. Cell wall formation (A)

Explanation : Contractile vacuole helps Amoeba in osmoregulation and excretion.

6. Mitochondria are called the —

- A. Kitchen of the cell
- B. Powerhouse of the cell
- C. Control centre of the cell
- D. Storage house of starch only (B)

Explanation : Mitochondria produce ATP during aerobic respiration.

7. Cristae are formed by the folding of —

- A. Inner mitochondrial membrane
- B. Cell wall
- C. Nuclear envelope
- D. Tonoplast (A)

Explanation : Inner mitochondrial membrane forms invaginations called cristae.

8. Chloroplast contains pigments called —

- A. Chlorophyll and carotenoids
- B. Haemoglobin only
- C. Peptidoglycan
- D. Suberin (A)

Explanation : Chloroplasts contain chlorophyll and carotenoid pigments for trapping light energy.

9. Leucoplasts mainly help in —

- A. Storage of food materials
- B. Sound production
- C. Respiration only
- D. Movement of cell (A)

Explanation : Leucoplasts are colourless plastids that store food.

10. The inner space of chloroplast is called —

- A. Matrix
- B. Stroma
- C. Lumen only
- D. Crista (B)

Explanation : The inner space of chloroplast enclosed by inner membrane is called stroma.