

**NEET - C8 - CELL - THE UNIT OF LIFE**

- 1. In plant cells, peroxisomes are associated with**
  - A. Photorespiration
  - B. Phototropism
  - C. Photoperiodism
  - D. Photosynthesis
- 2. According to fluid mosaic model, plasma membrane is composed of**
  - A. Phospholipids and oligosaccharides
  - B. Phospholipids and hemicellulose
  - C. Phospholipids and integral proteins
  - D. Phospholipids, extrinsic proteins and intrinsic proteins
- 3. Nuclear envelope is composed of**
  - A. Single membrane
  - B. Two membranes
  - C. Proteinaceous strand
  - D. Both A and C
- 4. Detoxification site in liver is**
  - A. Free ribosomes
  - B. Golgi complex
  - C. SER
  - D. RER
- 5. Lysosomes are surrounded by**
  - A. One membrane
  - B. Two membranes
  - C. Three membranes
  - D. None of the above
- 6. Cells involved in large number of energy consumption have a great number of**
  - A. Ribosomes
  - B. Mitochondria
  - C. Peroxisomes
  - D. Lysosomes
- 7. Hammerling's experiments on Acetabularia involved exchanging**
  - A. Cytoplasm
  - B. Nucleus
  - C. Rhizoid and stalk
  - D. Gametes
- 8. E.R. is made of**
  - A. Cisternae
  - B. Tubules
  - C. Vesicles
  - D. All the above
- 9. Nucleolus takes part in synthesis of**
  - A. Rrna
  - B. tRNA
  - C. nRNA
  - D. DNA

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**10. Protoplasm forms percentage of total weight of the body**

- A. 45%
- B. 70%
- C. 95%
- D. 15%

**11. Plasmasol or sol part of cytosol is known as**

- A. Hyalosome
- B. Hyaloplasm
- C. Endoplasm
- D. Both B and C

**12. Sarcoplasmic reticulum is found in**

- A. Adipose cells
- B. Muscle cells
- C. Nerve cells
- D. Leucocytes

**13. The letter 'S' in the structural units of ribosome denotes**

- A. Stability unit
- B. Svedberg unit
- C. Polymerisation
- D. Concentration unit

**14. Acetabularia used in Hammerling's nucleocytoplasmic experiments is**

- A. Unicellular fungus
- B. Multicellular fungus
- C. Unicellular uninucleate green algae
- D. Unicellular multinucleate green algae

**15. Mitochondria produce**

- A. Fats
- B. Glucose
- C. Glycogen
- D. ATP

**16. Cell recognition and adhesion occur due to biochemicals of cell membranes named**

- A. Proteins
- B. Lipids
- C. Proteins and lipids
- D. Glycoproteins and glycolipids

**17. Outermost layer of cell wall is**

- A. Plasmalemma
- B. Secondary wall
- C. Middle lamella
- D. Primary wall

**18. pH of lysosome interior is**

- A. 10-12
- B. 8-10
- C. 5-7
- D. 4-5

**19. Liquid food drinking is**

- A. Pinocytosis
- B. Phagocytosis
- C. Imbibition
- D. None of the above

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**20. The most abundant substance of middle lamella is**

- A. Suberin
- B. Cutin
- C. Lignin
- D. Pectin

**21. Cells were observed prior to Robert Hooke by**

- A. Aristotle
- B. Malpighi
- C. Bauhin
- D. Eicher

**22. The term plastid was given by**

- A. Schimper
- B. Haeckel
- C. Hanstein
- D. Strasburger

**23. Organelle connected with glycosidation of proteins is**

- A. Ribosome
- B. E.R
- C. Mitochondrion
- D. Chloroplast

**24. Lysosomes are absent in animal cells**

- A. Erythrocytes
- B. Plasma cells
- C. Nerve cells
- D. Muscle cells

**25. Who proposed cell lineage/cell always arises from pre-existing cell ?**

- A. Lamarck
- B. Virchow
- C. Schwann
- D. Darwin

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1. A	2. D	3. B	4. C	5. A
6. B	7. C	8. D	9. A	10. C
11. D	12. B	13. B	14. C	15. D
16. D	17. D	18. D	19. A	20. D
21. B	22. B	23. B	24. A	25. B

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