

Yakeen NEET 2.0 - 2026

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Cell - The Unit of Life

(NCERT Booster – 04)

1. **Assertion (A)** : In eukaryotic cell cytoplasm divided into compartment
Reason (R) : membrane bound organelle present
(A) Both A and R are true and R is the correct explanation of A.
(B) Both A and R are true but R is NOT the correct explanation of A.
(C) A is true but R is false.
(D) A is false but R is true.
2. Eukaryotes
(A) protists, plant, animal, not fungi
(B) nucleus is not well organised
(C) complex locomotory & cytoskeleton structure absent
(D) genetic material is organised into chromosome
3. Correct
(A) all eukaryotic cell is similar
(B) plant posses small central vacuole, plastid, cell wall
(C) animal cell have centriole which absent in almost all plant
(D) all are incorrect
4. Cell wall
(A) Non living, rigid covering in fungi & plants only
(B) protect from mechanical damage, infection but not provide shape
(C) cell to cell interaction
(D) barrier to desirable macromolecules
5. Correct
A. algae cell wall : cellulose, galactan, Mannan not calcium carbonate
B. plant cell wall : protein present
C. primary cell wall is capable of growth, inner layer
D. as cell mature primary wall diminish
E. secondary wall is formed on inner to primary wall
Options
(A) 1
(B) 2
(C) 3
(D) 4
6. Correct
(A) Middle lamella consist of calcium pectate which glue different cell
(B) plasmodesmata connect cytoplasm & it is dead connection
(C) cell wall & middle lamella traversed by plasmodesmata
(D) both A & C are correct
7. **Assertion (A)** : ER, GB, lysosome, vacuole are parts of endomembrane system
Reason (R) : functions are coordinated
(A) Both A and R are true and R is the correct explanation of A.
(B) Both A and R are true but R is NOT the correct explanation of A.
(C) A is true but R is false.
(D) A is false but R is true.

8. Assertion (A) : Mitochondria, peroxisome, chloroplast not part of endomembrane system
Reason

Reason (R) : not works in coordination

- (A) Both A and R are true and R is the correct explanation of A.
(B) Both A and R are true but R is NOT the correct explanation of A.
(C) A is true but R is false.
(D) A is false but R is true.

9. ER

- (A) tiny tubular structure. Membrane less scattered in cytoplasm
(B) ER Divides intercellular space into two compartment Reason
(C) luminal (outside ER) & extra luminal (cytoplasm)
(D) all are incorrect

10. RER (correct)

- A. Ribosome present so rough
B. protein synthesis & secretion
C. extensive, continuous with inner nuclear membrane
D. SER : ribosome absent, synthesis lipid & glycogen
E. In plant cell lipid like steroid hormone are synthesis by SER
F. ER not help in transport of substance

Options

- (A) 2
(B) 3
(C) 4
(D) 5



Answer Key

1. (A)
2. (D)
3. (C)
4. (C)
5. (C)

6. (D)
7. (A)
8. (A)
9. (D)
10. (B)



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