

**Yakeen NEET 2.0 2026**
Cell - The Unit of Life**Botany By Rupesh Chaudhary Sir**

1. Cell is the fundamental, structural and functional unit of life of all living organisms as
 - (a) It is capable of independent existence
 - (b) It has various organelles to ensure independent living
 - (c) It can perform the essential functions of life
 - (1) Only (b)
 - (2) (b) & (c) only
 - (3) (c) only
 - (4) (a), (b) & (c)
2. Who, among the following, advanced the cell theory with his conclusion that new cells are formed pre existing cells?
 - (1) Theodor Schwann
 - (2) Anthon Van Leeuwenhoek
 - (3) Rudolf Virchow
 - (4) Mathias Schleiden
3. Cell is the fundamental, structural and functional unit of all living organisms because
 - (1) Unicellular organisms are incapable of independent existence
 - (2) The cell is the basic unit of life
 - (3) Anything less than a complete structure of a cell does ensure independent living
 - (4) Essential life functions can be performed in only multicellular organisms
4. Omnis cellula-e cellula is a generalisation given by
 - (1) Lamarck
 - (2) Dutrochet
 - (3) Leeuwenhoek
 - (4) Virchow
5. Theodore Schwann named the outer layer of the cell which is today known as
 - (1) Tonoplast
 - (2) Cell membrane
 - (3) Basement membrane
 - (4) Biological membrane
6. All plants are composed of different kind of cells. This statement belongs to
 - (1) Lamarck
 - (2) Von Helmont
 - (3) Hugo de Vries
 - (4) Schleiden
7. Living differ from inanimate
 - (1) cell is present in Living but not in inanimate
 - (2) cell is absent in Living but present in inanimate
 - (3) Cell present in Living and it is basic unit of life in all living organisms
 - (4) both option (1) and (3)
8. Correct statement
 - (1) All Living organism categorised into unicellular and multicellular
 - (2) some organism Are unicellular and human Are multicellular
 - (3) unicellular organism consist of single cell which perform all function
 - (4) Multicellular organism consist of many cells which perform many function
 - (5) All of these
9. Correct statement
 - A- First Living cell discovered by Robert hook
 - B- First dead cell discovered by Leeuwenhoek
 - C- cell is structural and functional unit of Living organism
 - D- unicellular organism perform essential function of life so do not have independent existence
 - E- anything less than complete structure of cell Do not have independent Living
 - (1) all options are correct
 - (2) All are correct except A and B
 - (3) C and E are correct
 - (4) C, D, E are correct
10. Correct statement
 - (1) Nucleus was discovered by Leeuwenhoek
 - (2) Discovery of electron microscope Revealed all detail structure of cells
 - (3) Nucleus was discovered by Robert Brown
 - (4) both option (2) and (3)



11. Matthias Schleiden

- (1) German zoologist
- (2) Study large number of animals
- (3) In 1839, Study large number of Plants
- (4) In 1838, Study large number of plants and observed that all plants composed of different kind of cells

12. Theodore Schwann

- (1) British Botanist
- (2) Study different types of animal cells which is covered by thin layer cell wall
- (3) Presence of cell wall is unique character in animal cell
- (4) Plants and animals composed of cells and product of cells



ANSWER KEY

1. (4)

2. (3)

3. (2)

4. (4)

5. (2)

6. (4)

7. (4)

8. (5)

9. (3)

10. (4)

11. (4)

12. (4)



PW Web/App - <https://smart.link/7wwosivoicgd4>

Library- <https://smart.link/sdfez8ejd80if>