

Yakeen NEET 2.0 (2026)

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Cell - The Unit of Life

DPP: 1

Q1 Inanimate things have:

- (A) one cell
- (B) two cells
- (C) one or multiple cells
- (D) no cell

Q2 Which of the following is true?

- (A) Most of the organisms have single cell in their bodies
- (B) Robert Hooke was the first person to describe a living cell
- (C) Both
- (D) None

Q3 The detailed study of cell can be done by using which microscope?

- (A) Simple light microscope
- (B) Compound light microscope
- (C) Electron microscope
- (D) All the above

Q4 Which object is not composed of cells?

- (A) Feather
- (B) Garden soil
- (C) Plank of wood
- (D) Leaf

Q5 Unicellular organism are

- (A) Not capable of independent existence because they cannot perform all the essential functions of life
- (B) Not capable of independent existence but they can perform all the essential vital functions
- (C) Are capable of independent existence and perform all the essential vital functions
- (D) Are capable to lead independent existence but they perform some vital functions

Q6 Name the scientist, who saw a live cell first time.

- (A) G.N Ramachandran

(B) Antonie van Leeuwenhoek

(C) Robert White

(D) Schwann

Q7 Who coined the term cell?

- (A) Robert Hooke
- (B) Robert Brown
- (C) Flemming
- (D) Leeuwenhoek

Q8 Match column I with column II and select the correct option from the codes given below.

Column I		Column II	
(A)	Leeuwenhoek	(i)	First saw and described a living cell
(B)	Robert Brown	(ii)	The Presence of cell wall is unique to plant cells
(C)	Schleiden	(iii)	Discovered the nucleus
(D)	Schwann	(iv)	All plants are composed of different kinds of cell

(A) A-(i), B-(iii), C-(iv), D-(ii)

(B) A-(i), B-(iii), C-(ii), D-(iv)

(C) A-(iii), B-(i), C-(iv), D-(ii)

(D) A-(i), B-(iv), C-(ii), D-(iii)

Q9 Correct statement is:

- (A) Unicellular organisms are capable of independent existence.
- (B) Unicellular organisms are capable of performing essential functions of life.
- (C) Anything less than a complete structure of a cell does not ensure independent existence.
- (D) All of these

Q10 Select the incorrect statement



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- (A) Anything less than a complete structure of a cell does not ensure independent living
 (B) Subcellular components can regenerate whole cell
 (C) A cell arises by fusion of two cells
 (D) None of these
- Q11** The cells discovered in thin sections of cork by Robert Hooke were actually
 (A) Cell wall (B) Cellulose
 (C) Protoplasm (D) Nuclei
- Q12** Choose the **correct** statement concerning unicellular organisms.
 (A) These beings lack metabolic reactions.
 (B) They can survive independently .
 (C) They are not beneficial to mankind.
 (D) The nucleus is not present in these biological beings.
- Q13** Matthias Schleiden was:
 (A) British Zoologist
 (B) German Botanist
 (C) British Botanist
 (D) German Zoologist
- Q14** Who gave final shape to cell theory?
 (A) Virchow (B) Schwann
 (C) Schleiden (D) Leeuwenhoek
- Q15** According to cell theory
 (A) Cells have nuclei
 (B) Cells are living
 (C) Cells reproduce
 (D) Cells are structural unit of organisms
- Q16** The new cells originate:
 (A) By bacterial fermentation
 (B) From abiotic material
 (C) From pre-existing cells
 (D) Through regeneration of old cells
- Q17** What is the meaning of *Omnis cellula-e cellula*?
 (A) All cells have a nucleus
 (B) Cell is the basic unit of life
 (C) Living things are composed of cells

(D) All cells arise from pre-existing cells

- Q18** In which year did Matthias Schleiden observe different types of cells in various plant tissue?
 (A) 1902 (B) 1855
 (C) 1838 (D) 1905

- Q19** Match column I with column II and select the correct option from the codes given below.

Column I		Column II	
(A)	Leeuwenhoek	(i)	First saw and described living cell
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- (A) A-(i), B-(iii), C-(iv), D-(ii)
 (B) A-(i), B-(iii), C-(ii), D-(iv)
 (C) A-(iii), B-(i), C-(iv), D-(ii)
 (D) A-(i), B-(iv), C-(ii), D-(iii)

- Q20** Cell theory was formulated by
 (A) Schleiden and Schwann
 (B) Robert Hooke
 (C) Leeuwenhoek
 (D) Marcello Malpighi

- Q21** Select the right option which relates to Schwann regarding the following statement
 I. He reported that cell have a thin outer layer which is today known as plasma membrane
 II. Cell wall is a unique character of the plant cell
 III. Body of plants and animals are composed of cells and products of cells
 (A) All are correct
 (B) Only III is correct
 (C) II and III are correct
 (D) All are incorrect

- Q22** Theory proposed by Schleiden and Schwann however, did not explain
 (A) All cells formed from pre-existing cell
 (B) How new cells were formed
 (C) Body of animals are composed of cells
 (D) How DNA replication occur

Q23



Select the statements which are related to Schwann.

- (i) He reported that cells have a thin outer layer which is today known as plasma membrane.
- (ii) Cell wall is a unique character of the plant cell.

(iii) Body of plants and animals are composed of cells and products of cells.

- (A) All are correct
- (B) Only (iii) is correct
- (C) (ii) and (iii) are correct
- (D) All are incorrect



Answer Key

Q1 (D)
Q2 (D)
Q3 (C)
Q4 (B)
Q5 (C)
Q6 (B)
Q7 (A)
Q8 (A)
Q9 (D)
Q10 (C)
Q11 (A)
Q12 (B)

Q13 (B)
Q14 (A)
Q15 (D)
Q16 (C)
Q17 (D)
Q18 (C)
Q19 (A)
Q20 (A)
Q21 (A)
Q22 (B)
Q23 (A)



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