

NEET CELL: THE UNIT OF LIFE — CELL THEORY AND OVERVIEW OF THE CELL — PYQS

Max. Marks: 32

Questions: 8

Section A (MCQ) — 8 questions

Q.1 Cell theory was formulated by _____.

[RE-NEET (UG) 2026]

- (1) Antonie Von Leeuwenhoek
- (2) Schleiden and Schwann
- (3) Robert Brown
- (4) Singer and Nicolson

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Q.2 Match **List-I** with **List-II**.

List - I		List - II	
A.	Centromere	I.	Mitochondrion
B.	Cilium	II.	Cell division
C.	Cristae	III.	Cell movement
D.	Cell membrane	IV.	Phospholipid Bilayer

Choose the correct answer from the options given below :

[NEET (UG) 2025]

- (1) A-IV, B-II, C-III, D-I (2) A-II, B-III, C-I, D-IV
(3) A-I, B-II, C-III, D-IV (4) A-II, B-I, C-IV, D-III

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Q.3 Match **List I** with **List II** :

List - I		List - II	
A.	Flemming	I.	Disc shaped sacs or cisternae near cell nucleus
B.	Robert Brown	II.	Chromatin
C.	George Palade	III.	Ribosomes
D.	Camillo Golgi	IV.	Nucleus

Choose the correct answer from the options given below:

[RE-NEET (UG) 2024]

- (1) A-II, B-IV, C-III, D-I (2) A-II, B-III, C-I, D-IV
(3) A-I, B-II, C-III, D-IV (4) A-IV, B-II, C-III, D-I

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Q.4 Match **List-I** with **List-II**.

List-I		List-II	
A.	F ₁ Particles	I.	Chromosomes
B.	Histones	II.	Cilia
C.	Axoneme	III.	Golgi apparatus
D.	Cisternae	IV.	Mitochondria

Choose the correct answer from the options given below:

[RE-NEET (UG) 2024]

- (1) A-II, B-I, C-IV, D-III (2) A-IV, B-I, C-II, D-III
(3) A-IV, B-I, C-III, D-II (4) A-IV, B-III, C-I, D-II

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Q.5 The concept of "*Omnis cellula-e cellula*" regarding cell division was first proposed by :

[NEET (UG) 2019]

- (1) Schleiden (2) Aristotle
(3) Rudolf Virchow (4) Theodore Schwann

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Q.6 Which one of the following organisms is not a eukaryote?

[AIPMT 2011 (Prelims)]

- (1) *Paramecium caudatum*
(2) *Escherichia coli*
(3) *Euglena viridis*
(4) *Amoeba proteus*

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Q.7 The main area of various types of activities of a cell is –

[AIPMT 2010 (Prelims)]

- (1) Cytoplasm (2) Plasma membrane
(3) Nucleus (4) Mitochondrion

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Q.8 A major breakthrough in the studies of cells came with the development of electron microscope. This is because

[AIPMT 2006]

- (1) Electron beam can pass through thick materials, whereas light microscopy requires thin sections
- (2) The resolution power of the electron microscope is much higher than that of the light microscope
- (3) The electron microscope is more powerful than the light microscope as it uses a beam of electrons which has wavelength much longer than that of photons
- (4) The resolving power of the electron microscope is 200-350 nm as compared to 0.1-0.2 nm for the light microscope

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ANSWER KEY

Ques.	1	2	3	4	5	6	7	8			
Ans.	2	2	1	2	3	2	1	2			