

PYQSide

NEET CELL: THE UNIT OF LIFE — CILIA, FLAGELLA AND CENTROSOME — PYQS

Max. Marks: 20

Questions: 5

Section A (MCQ)

Q.1 Match **List I** with **List II** :

List - I		List - II	
A.	Axoneme	I.	Centriole
B.	Cartwheel pattern	II.	Cilia and flagella
C.	Crista	III.	Chromosome
D.	Satellite	IV.	Mitochondria

Choose the correct answer from the options given below :

[NEET (UG) 2024]

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

Scan or tap for the
full solution



Q.2 Microtubules are the constituents of

[NEET 2016 (Phase 1)]

- (1) Cilia, Flagella and Peroxisomes
(2) Centrosome, Nucleosome and Centrioles
(3) Spindle fibres, Centrioles and Cilia
(4) Centrioles, spindle fibres and chromatin

Scan or tap for the
full solution



Q.3 Match the following and select the **correct** answer :

[AIPMT 2014]

List-I		List-II	
a.	Centriole	i.	Infoldings in mitochondria
b.	Chlorophyll	ii.	Thylakoids
c.	Cristae	iii.	Nucleic acid
d.	Ribozymes	iv.	Basal body cilia or flagella

- (1) (a) → (iv), (b) → (iii), (c) → (i), (d) → (ii)
(2) (a) → (i), (b) → (iii), (c) → (ii), (d) → (iv)
(3) (a) → (iv), (b) → (ii), (c) → (i), (d) → (iii)
(4) (a) → (i), (b) → (ii), (c) → (iv), (d) → (iii)

Scan or tap for the
full solution



Q.4 Which of the following statements regarding cilia is not correct ?

[AIPMT 2006]

- (1) Microtubules of cilia are composed of tubulin
(2) The organized beating of cilia is controlled by fluxes of Ca^{2+} across the membrane
(3) Cilia are hair-like cellular appendages
(4) Cilia contain an outer ring of nine doublet microtubules surrounding two single microtubules

Scan or tap for the
full solution



Q.5 Microtubules are absent in:

[AIPMT 2001]

- (1) Spindle fibres (2) Mitochondria
(3) Centriole (4) Flagella

Scan or tap for the
full solution



ANSWER KEY

Ques.	1	2	3	4	5						
Ans.	4	3	3	2	2						