

NEET BIOLOGICAL CLASSIFICATION — TWO, THREE AND FIVE KINGDOM CLASSIFICATION — PYQS

Max. Marks: 36

Questions: 9

Section A (MCQ) — 9 questions

Q.1 The main criteria used for Five Kingdom Classification proposed by R.H. Whittaker (1969) included :

- A. Cell structure
- B. Body organization
- C. Presence of flagellum
- D. Reproduction
- E. Phylogenetic relationships

Choose the correct answer from the options given below :

[NEET (UG) 2026]

- (1) A, B and E only
- (2) A, B, C, D and E
- (3) B, C and D only
- (4) A, B, D and E only

Scan or tap for the full solution



Q.2 Which of the following is not a prokaryote?

[RE-NEET (UG) 2026]

- (1) Fungi
- (2) Bacteria
- (3) Blue green algae
- (4) *Mycoplasma*

Scan or tap for the full solution



Q.3 Each of the following characteristics represents a Kingdom proposed by Whittaker. Arrange the following in increasing order of complexity of body organization.

- A. Multicellular heterotrophs with cell wall made of chitin.
- B. Heterotrophs with tissue/organ/organ system level of body organization.
- C. Prokaryotes with cell wall made of polysaccharides and amino acids.
- D. Eukaryotic autotrophs with tissue/organ level of body organization.
- E. Eukaryotes with cellular body organization.

Choose the correct answer from the options given below :

[NEET (UG) 2025]

- (1) A, C, E, D, B
- (2) C, E, A, B, D
- (3) A, C, E, B, D
- (4) C, E, A, D, B

Scan or tap for the full solution



Q.4 Pick up the wrong statement.

[AIPMT 2015]

- (1) Some fungi are edible.
- (2) Nuclear membrane is present in Monera.
- (3) Cell wall is absent in Animalia.
- (4) Protists have photosynthetic and heterotrophic modes of nutrition.

Scan or tap for the full solution



Q.5 Five kingdom system of classification suggested by R.H. Whittaker is not based on [AIPMT 2014]

- (1) presence or absence of a well defined nucleus
- (2) mode of reproduction
- (3) mode of nutrition
- (4) complexity of body organisation.

Scan or tap for the full solution



Q.6 In the five kingdom classification, *Chlamydomonas* and *Chlorella* have been included in

[AIPMT 2012 (Mains)]

- (1) protista
- (2) algae
- (3) plantae
- (4) monera.

Scan or tap for the full solution



Q.7 Which one single organism or the pair of organisms is correctly assigned to its or their named taxonomic group? [AIPMT 2012 (Prelims)]

- (1) *Paramecium* and *Plasmodium* belong to the same kingdom as that of *Penicillium*.
- (2) Lichen is a composite organism formed from the symbiotic association of an alga and a protozoan.
- (3) Yeast used in making bread and beer is a fungus.
- (4) *Nostoc* and *Anabaena* are examples of protista.

Scan or tap for the full solution



Q.8 Match items in **column I** with those in **column II**.

Column I		Column II	
A.	Peritrichous flagellation	J.	<i>Ginkgo</i>
B.	Living fossil	K.	<i>Macrocystis</i>
C.	Rhizophore	L.	<i>Escherichia coli</i>

Column I		Column II	
D.	Smallest flowering plant	M.	<i>Selaginella</i>
E.	Largest perennial alga	N.	<i>Wolffia</i>

Select the correct answer from the following.

[AIPMT 2005]

- (1) (A) - (L); (B) - (J); (C) - (M); (D) - (N); (E) - (K)
 (2) (A) - (K); (B) - (J); (C) - (L); (D) - (M); (E) - (N)
 (3) (A) - (N); (B) - (L); (C) - (K); (D) - (N); (E) - (J)
 (4) (A) - (J); (B) - (K); (C) - (N); (D) - (L); (E) - (K)

Scan or tap for the full solution



Q.9 In five kingdom system, the main basis of classification is [AIPMT 2002]

- (1) structure of nucleus (2) mode of nutrition
 (3) structure of cell wall (4) asexual reproduction.

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9		
Ans.	4	1	4	2	1	1	3	1	2		