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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

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Q.2 Which of the following is not a prokaryote? [RE-NEET (UG) 2026]

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

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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

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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.

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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.

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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.

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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.

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

Column I		Column II	
A.	Peritrichous flagellation	J.	*Ginkgo*
B.	Living fossil	K.	*Macrocystis*
C.	Rhizophore	L.	*Escherichia coli*

Column I		Column II	
D.	Smallest flowering plant	M.	*Selaginella*
E.	Largest perennial alga	N.	*Wolffia*

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)

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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.

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ANSWER KEY

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