

Yakeen NEET 2.0 2026

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DPP: 1

Biological Classification

- Q1** Which scientist classified plants into trees, shrubs, and herbs and animals into two groups based on the absence or presence of red blood cells?
 (A) Aristotle
 (B) R. H. Whittaker
 (C) D. J. Ivanowsky
 (D) W. M. Stanley
- Q2** Earliest scientific classification was given by Aristotle. Aristotle classified animals into;
 (A) prokaryota and eukaryota
 (B) those which had red blood and those that did not
 (C) protozoa and Metazoa
 (D) autotrophic and Heterotrophic
- Q3** Who was the earliest to attempt a scientific basis for classification?
 (A) R.H. Whittaker
 (B) Linnaeus
 (C) Aristotle
 (D) Bentham and Hooker
- Q4** According to Aristotle's classification, how did he categorize animals based on blood?
 (A) Those with red blood and those without red blood
 (B) Those with red blood and those with blue blood
 (C) Those with warm blood and those with cold blood
 (D) Those with thick blood and those with thin blood
- Q5** Which of the following statement is incorrect regarding two kingdom system of classification?
 (A) Two kingdom system of classification was given by Linnaeus.
 (B) Two kingdom system of classification includes Plantae & Animalia.
 (C) It could distinguish between Photosynthetic & non-photosynthetic organisms.
 (D) It could not distinguish between unicellular & multicellular organisms.
- Q6** The main criteria used by Linnaeus for two Kingdom classification system was?
 (A) Cell membrane
 (B) Cell wall
 (C) Evolutionary relationship
 (D) Response to external stimuli
- Q7** Carolus Linnaeus classified living organisms into two groups namely:
 (A) Monera and protista
 (B) Protista and plantae
 (C) Animalia and plantae
 (D) All of these
- Q8** Earlier classifications included bacteria, fungi, mosses, gymnosperms and angiosperms under plants on the basis of
 (A) Nutrition
 (B) Cell type
 (C) Presence of cell-wall
 (D) Body organisation
- Q9** Two kingdom classification does not distinguish between:
 (A) Eukaryote and prokaryote
 (B) Unicellular and multi-cellular organisms
 (C) Photosynthetic (green algae) and non-photosynthetic (fungi) organisms
 (D) All the above



Q10 The drawbacks or limitations of two-kingdom classification is / are;

- (A) no distinction between eukaryotes and prokaryotes
- (B) no distinction between unicellular and multicellular organisms
- (C) photosynthetic and non-photosynthetic organisms are placed together
- (D) all of these.

Q11 The unique character that unified the kingdom Plantae of Linnaeus was:

- (A) all organisms had green pigment.
- (B) all organisms were autotrophic.
- (C) all organisms had a well-developed nucleus.
- (D) all organisms had a cell wall in their cells.

Q12 Which limitation of the Two Kingdom system prompted the development of a more comprehensive classification system?

- (A) Inability to distinguish between eukaryotes and prokaryotes
- (B) Inadequate classification of photosynthetic and non photosynthetic organisms
- (C) Lack of categorization for unicellular organisms
- (D) All of the above

Q13 X & Y organisms belong to different kingdoms – A and B respectively. Identify A & B on the basis of following features?

	Feature	A	B
I	Cell type	Eukaryotic	Eukaryotic
II	Body organisation	Cellular	Multicellular
III	Cell wall	Usually absent	Present
IV	Mode of Nutrition	Autotrophic	Heterotrophic

- (A) A = Protista, B = Plantae
- (B) A = Monera, B = Animalia
- (C) A = Protista, B = Fungi
- (D) A = Protista, B = Animalia

Q14 Five kingdom system of classification was given by..... in

- (A) Whittaker, 1822
- (B) Aristotle, 1969
- (C) Aristotle, 1822
- (D) Whittaker, 1969

Q15 Which of the following criteria was not used by R.H Whittaker in five kingdom system of classification?

- (A) Cell-structure
- (B) Body organisation
- (C) Phylogenetic relationship
- (D) Physiological character

Q16 In Whittaker's five kingdom system of classification, eukaryotes are distributed among;

- (A) Two kingdoms
- (B) Three kingdoms
- (C) Four kingdoms
- (D) All the five kingdoms

Q17 How many kingdoms in five kingdom classification system have Eukaryotic organisms?

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

Q18 Whittaker's kingdom are

- (A) Plantae and Animalia only
- (B) Monera and Protista only
- (C) Fungi only
- (D) All of these

Q19 Five kingdom system of classification suggested by R.H. Whittaker is **not** based on;

- (A) Complexity of body organisation
- (B) Presence or absence of locomotion
- (C) Mode of reproduction
- (D) Mode of nutrition

Q20 How many criteria were used in five-Kingdom classification?

- (A) 2
- (B) 4
- (C) 5
- (D) 3

Q21



In how many kingdom show presence of Chemoautotrophic nutrition out of five kingdoms proposed by Whittaker?

- (A) Three (B) Four
(C) Two (D) One

Q22 In five kingdom classification system:

- (a) Eukaryotes are confined to three kingdoms only.
(b) Organisms with heterotrophic mode of nutrition are confined to two kingdoms only.
(c) Organisms with cellular body organisation are confined to kingdom Monera only.
(d) Organisms with cell wall are found in kingdom Protista and Plantae only.

Select the incorrect statements.

- (A) Only (a) and (b)
(B) Only (a) and (c)
(C) Only (b), (c) and (d)
(D) All (a), (b), (c) and (d)

Q23 In the following questions, a statement of assertion is followed by a statement of reason.

Assertion (A): Classification done by R.H.

Whittaker provided a separate kingdom for Fungi.

Reason (R): Fungi have a unique mode of nutrition and cell wall composition.

Mark the correct choice as:

- (A) Both Assertion (A) and Reason (R) are true and Reason is the correct explanation of Assertion (A).
(B) Both Assertion (A) and Reason (R) are true but Reason is not the correct explanation of Assertion (A).
(C) Assertion (A) is true but Reason (R) is false.
(D) Assertion (A) is false but Reason (R) is true.

Q24 According to classification given by *R. H* Whittaker, which one of the following organism has been shifted from Kingdom Plantae to Kingdom Protista?

- (A) *Chlamydomonas* (B) *Paramecium*
(C) *Amoeba* (D) *Entamoeba*

Q25 Fill in the blanks and choose the correct option w.r.t. Whittaker's five kingdom classification:

Kingdoms→ Characters→	Monera	Fungi	Plantae
Cell wall	A	Present (without cellulose)	B
Body organisation	Cellular	C	D

(A) A - Polysaccharide and amino acid

C - Multicellular/Loose tissue

(B) B - Present in some

D - Tissue/Organ/Organ system

(C) A - Present (Noncellulosic)

B - Absent

(D) C - Cellular/Organ system

D - Tissue/Organ

Q26 Which of the following pairs is incorrectly matched?

(A) Fungi → Saprophytic/parasitic mode of nutrition.

(B) Monera → Nuclear membrane is present.

(C) Plantae → Cell-wall is made up of cellulose.

(D) Animalia → Cell-wall is absent.



Answer Key

Q1 (A)
Q2 (B)
Q3 (C)
Q4 (A)
Q5 (C)
Q6 (B)
Q7 (C)
Q8 (C)
Q9 (D)
Q10 (D)
Q11 (D)
Q12 (D)
Q13 (C)

Q14 (D)
Q15 (D)
Q16 (C)
Q17 (D)
Q18 (D)
Q19 (B)
Q20 (C)
Q21 (D)
Q22 (D)
Q23 (A)
Q24 (A)
Q25 (A)
Q26 (B)



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