

Yakeen NEET 2.0 2026

Botany By Rupesh Chaudhary Sir

Biological Classification

DPP: 3

Q1 In which kingdom would we keep *Chlorella* as per 5 kingdom classification system?

- (A) Monera (B) Protista
(C) Fungi (D) Plantae

Q2 Kingdom Protista includes organism which are;

- (A) unicellular but prokaryotic
(B) unicellular but eukaryotic
(C) multicellular but prokaryotic
(D) multicellular but eukaryotic

Q3 How many groups given below belongs to kingdom Protista:

Mycoplasmas, Euglenoids, Protozoans, Diatoms, Desmids, Phycomycetes, Cyanobacteria

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

Q4 Members of ____ are primarily aquatic

- (A) Monera
(B) Protista
(C) Fungi
(D) Both (A) & (B)

Q5 Which of the following is are present in protistan cell body

- (A) Mitochondria
(B) Nucleus
(C) Golgi apparatus
(D) All of the above

Q6 Choose the incorrect statement(s) regarding Kingdom Protista

A. Kingdom Protista forms a link with the others dealing with plants, animals & fungi

B. Some protists have flagella or cilia for movement.

C. Boundaries of this kingdom are well defined.

D. Protists reproduce only asexually.

- (A) A, C & D (B) B & C
(C) C & D (D) Only C

Q7 Assertion (A): Kingdom-Protista forms a link between monerans and the other organism like plants, animal and fungi.

Reason (R): Protist reproduce sexually by a process involving cell fusion and zygote formation.

- (A) Both Assertion (A) and Reason (R) are true and Reason is the correct explanation of Assertion.
(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.

Q8 Select incorrect statement regarding protists.

- (A) They are connecting link between prokaryotes and other eukaryotes
(B) They have diversified type of nutrition
(C) Flagella & cilia have 9+0 arrangement of microtubules
(D) They may have both plant and animal like characters

Q9



In which of the following kingdoms some members have cell wall and some are without cell wall?

- (A) Fungi (B) Protista
(C) Plantae (D) Animalia

Q10 Which of the following statements is true regarding members of the Protista kingdom?

- (A) They are primarily terrestrial organisms.
(B) They lack a well-defined nucleus.
(C) They do not possess membrane-bound organelles.
(D) They can reproduce both asexually and sexually

Q11 Diatoms & desmids belongs to

- (A) Chrysophytes
(B) Dinoflagellates
(C) Euglenoids
(D) Protozoans

Q12 Members of chrysophytes are _____ and float _____ in water currents.

- (A) Macroscopic, actively
(B) Macroscopic, passively
(C) Microscopic, actively
(D) Microscopic, passively

Q13 Silica is embedded in the cell-walls of

- (A) Desmids
(B) Golden-algae
(C) Diatoms
(D) Both (A) & (B)

Q14 Chrysophytes are found in

- (A) Fresh water
(B) Marine water
(C) Both (A) & (B)
(D) terrestrial environment

Q15 Chief producers in the oceans are

- (A) Dinoflagellates
(B) Euglenoids
(C) Desmids
(D) Diatoms

Q16 Accumulation of cell-wall deposits of diatoms in their habitat, over _____ of years lead to the formation of diatomaceous earth.

- (A) Hundreds (B) Millions
(C) Billions (D) Thousands

Q17 Diatomaceous earth is used for;

- (A) Polishing
(B) Filtration of oils
(C) Filtration of syrups
(D) All of these.

Q18 Dinoflagellates are mostly

- (A) Marine and non-photosynthetic
(B) Fresh water and photosynthetic
(C) Marine and photosynthetic
(D) Fresh-water and non-photosynthetic

Q19 Cell-wall of 'x' has stiff cellulose plates on the outer surface. Then 'x' is the member of

- (A) Dinoflagellates
(B) Diatoms
(C) Golden algae
(D) Desmids

Q20 In dinoflagellates, the two flagella are

- (A) Anterior
(B) lateral
(C) Posterior
(D) one transverse & the other longitudinal

Q21 A dinoflagellate which forms red-tides

- (A) *Nostoc* (B) *Euglena*
(C) *Gonyaulax* (D) *Paramoecium*

Q22 Members of which group release toxins which may kill other marine animals like fishes



- (A) Protozoans
(B) Slime-moulds
(C) Dinoflagellates
(D) Diatoms

Q23 Majority of euglenoids are ____ organisms found in ____ water.

- (A) Fresh water, running
(B) Fresh water, Stagnant
(C) Marine water, running
(D) Marine water, Stagnant

Q24 What is not true of *Euglena*?

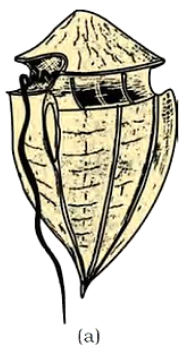
- (A) Presence of cellulose cell-wall.
(B) Presence of proteinaceous pellicle
(C) Presence of chlorophyll.
(D) Presence of flagellum.

Q25 Match the following

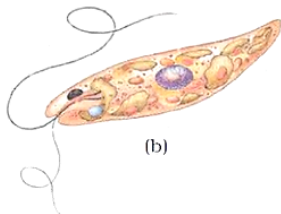
(A)	Dinoflagellates	(i)	Pellicle
(B)	Euglenoids	(ii)	Siliceous cell-wall
(C)	Diatoms	(iii)	Red-tides

- (A) A-ii, B-i, C-iii
(B) A-iii, B-i, C-ii
(C) A-iii, B-ii, C-i
(D) A-i, B-ii, C-iii

Q26 Identify figure (a) and (b)



(a)



(b)

- (A) a is Dinoflagellate & b is *Euglena*
(B) a is *Euglena* & b is diatom
(C) a is desmid & b is slime mould
(D) a is *Euglena* & b is *Gonyaulax*

Q27 A proteinaceous covering which is elastic enough to enable turning and flexing of the cell, yet rigid enough to prevent excessive alternation in shape is;

- (A) Pellicle in *Euglena*
(B) Plasmalemma in *Peranema*
(C) Pellicle in *Amoeba*
(D) Plasma membrane in *Gonyaulax*

Q28 Match the following:

	List-I		List-II
A.	Dinoflagellates	P.	Cell wall contain silica
B.	Slime molds	Q.	Proteinaceous cell wall
C.	Diatoms	R.	Lacks true cell wall
D.	Euglenoids	S.	Stiff cellulose plates present in cell wall

- (A) A-R; B-P; C-S; D-Q
(B) A-S; B-P; C-Q; D-R
(C) A-R; B-P; C-Q; D-S
(D) A-S; B-R; C-P; D-Q

Q29 When deprived of sunlight, euglenoids behave as:

- (A) autotrophs.
(B) heterotrophs.
(C) chemosynthetic organisms.
(D) photosynthetic organisms.

Q30 Which bears two unequal flagella?

- (A) Euglenoids
(B) Slime molds
(C) Diatoms
(D) Dinoflagellates

Q31 Which organism behaves like plants in the presence of sunlight and absence of organic food, but in reverse condition behaves like animal?

- (A) Archaeobacteria
(B) *Euglena*
(C) *Nostoc*
(D) *Paramecium*



Q32 Saprophytic protists are

- (A) Euglenoids
- (B) Chrysophytes
- (C) Dinoflagellates
- (D) Slime-moulds

Q33 The body of 'x' moves along decaying twigs & leaves engulfing organic material. Then 'x' is

- (A) Slime moulds
- (B) Diatoms
- (C) Amoeba
- (D) Euglenoids

Q34 The spores produced in slime-moulds are dispersed by

- (A) water
- (B) air-currents
- (C) birds
- (D) Both (A) and (B)

Q35 Read the following statements regarding slime moulds and select the incorrect ones.

- A. They are saprophytic protists.
- B. Under suitable conditions, they form an aggregation called Plasmodium.
- C. The spores possess true walls.
- D. The body moves along decaying twigs and leaves engulfing organic material.
- E. The spores are dispersed by water currents.

- (A) A and E
- (B) D and E
- (C) C only
- (D) E only

Q36 All protozoans are

- (A) Autotrophs
- (B) Saprotrophs
- (C) Heterotrophs
- (D) Mixotrophs

Q37 Match the following

	Column I		Column II
(A)	Amoeboid protozoan	(i)	<i>Plasmodium</i>
(B)	Flagellated protozoans	(ii)	<i>Amoeba</i>
(C)	Ciliated protozoan	(iii)	<i>Trypanosoma</i>
(D)	Sporozoans	(iv)	<i>Paramoecium</i>

- (A) A-iv, B-i, C-ii, D-iii
- (B) A-iv, B-iii, C-i, D-ii

(C) A-iii, B-ii, C-iv, D-i

(D) A-ii, B-iii, C-iv, D-i

Q38 False feet is present in

- (A) *Paramoecium*
- (B) *Plasmodium*
- (C) *Amoeba*
- (D) *Trypanosoma*

Q39 The following features given below represents which group of protozoans:

- (i) Marine forms have silica shells
- (ii) They move & capture their prey by putting out pseudopodia
- (iii) They live in fresh water, Sea water or moist soil.

- (A) Amoeboid protozoans
- (B) Flagellated protozoans
- (C) Ciliated protozoans
- (D) Sporozoans

Q40 Amoeboid protozoans like _____ act as parasites.

- (A) *Amoeba*
- (B) *Trypanosoma*
- (C) *Entamoeba*
- (D) *Paramoecium*

Q41 Flagella is present in

- (A) *Plasmodium*
- (B) *Euglena*
- (C) *Trypanosoma*
- (D) Both (B) & (C)

Q42 Gullet is present in

- (A) Flagellated protozoans
- (B) Ciliated protozoans
- (C) Sporozoans
- (D) Amoeboid protozoans

Q43 Malarial parasite belongs to which group of protozoans

- (A) Amoeboid protozoan
- (B) Flagellated protozoans
- (C) Ciliated protozoan



(D) Sporozoans

Q44 Infectious spore like state is present in the life-cycle of _____

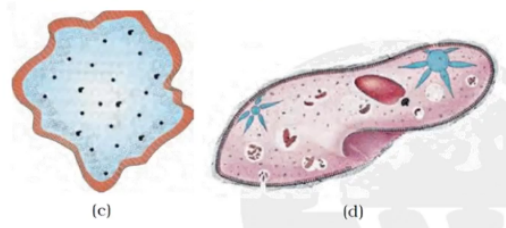
- (A) *Amoeba* (B) Slime-mould
(C) *Paramoecium* (D) *Plasmodium*

Q45 Choose the correct statement

- (A) *Paramoecium* & *Trypanosoma* are ciliated protozoans
(B) Gullet is present in *Plasmodium* and *Amoeba*
(C) Cilia is present in *Paramoecium*

(D) None of these

Q46 Identify figure (c) & figure (d)



- (A) c is slime mould & d is *Euglena*
(B) c is dinoflagellate & d is *Plasmodium*
(C) c is *Amoeba* & d is *Trypanosoma*
(D) c is slime mould & d is *Paramoecium*



Answer Key

Q1 (B)
Q2 (B)
Q3 (C)
Q4 (B)
Q5 (D)
Q6 (C)
Q7 (B)
Q8 (C)
Q9 (B)
Q10 (D)
Q11 (A)
Q12 (D)
Q13 (C)
Q14 (C)
Q15 (D)
Q16 (C)
Q17 (D)
Q18 (C)
Q19 (A)
Q20 (D)
Q21 (C)
Q22 (C)
Q23 (B)

Q24 (A)
Q25 (B)
Q26 (A)
Q27 (A)
Q28 (D)
Q29 (B)
Q30 (A)
Q31 (B)
Q32 (D)
Q33 (A)
Q34 (B)
Q35 (D)
Q36 (C)
Q37 (D)
Q38 (C)
Q39 (A)
Q40 (C)
Q41 (D)
Q42 (B)
Q43 (D)
Q44 (D)
Q45 (C)
Q46 (D)

