Yakeen NEET 2.0 - 2026

Biological Classification
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Practice Sheet - 03

1. Correct (Protista)
   A. All single cell eukaryotes
   B. only photosynthetic organism
   C. boundary is not well defined
   D. members mainly terrestrial
   E. Protozoa also included
   F. well defined nucleus not absent
   G. All have flagella or cilia
   F. asexual reproduction involve cell fusion and zygote formation
   (A) 1
   (B) 2
   (C) 3
   (D) 4

2. Chrysophytes
   (A) Included diatom only
   (B) microscopic float actively in water
   (C) mostly photosynthetic
   (D) cell wall form two thick overlapping shell

3. Diatom
   (A) cell wall destructible like soap box
   (B) silica wall absent
   (C) cell wall deposit form diatomaceous earth
   (D) being gritty so not used in polishing, filtration of soil, syrups
   (E) chief producer in ocean
   (F) (C) & (E) are correct

4. Dinoflagellates
   (A) mostly freshwater, photosynthetic
   (B) appear yellow green red blue brown
   (C) stiff cellulosic plates on inner surface
   (D) one flagella present

5. Dinoflagellates
   (A) longitudinal & transverse flagella in furrow absent
   (B) gonyaulax multiply slow : red tide
   (C) toxin release by gonyaulax kill marine animal such as fishes
   (D) None

6. Euglenoid
   (A) majority marine
   (B) running water
   (C) protein layer pellicle not flexible
   (D) two long flagella
   (E) all are incorrect

7. Correct
   (A) In light photosynthetic
   (B) predating small organisms if no light
   (C) pigments similar to higher plant
   (D) All are correct

8. Slime mould
   (A) photosynthetic protist
   (B) body engulf organic material
   (C) form plasmodium during unfavourable condition grow and spread several feet
   (D) plasmodium differentiate into fruiting body in favourable conditions

9. Slime mould (incorrect)
   (A) spore at tip
   (B) spore : true cell wall
   (C) spore : resistant & survive for many years
   (D) dispersed by water

Answer Key

1. (D)
2. (C)
3. (F)
4. (B)
5. (C)

6. (E)
7. (D)
8. (B)
9. (D)