

Topic :- Biological Classification

- Analyse the following statements and identify the correct options given below
I. Two kingdom system of classification did not distinguish between the eukaryotes and prokaryotes, unicellular and multicellular organism and green algae and fungi.
II. The two kingdom classification used for a long time was found inadequate
a) I is true, but II is false b) I is false, II is true c) I and II are true d) I and II are false
- Slime moulds in the division-Myxomycota (true slime moulds) have
a) Pseudoplasmodia
b) Spores that develop into free living amoeboid cells
c) Spores that develop into flagellated swarm cells
d) Feeding stages consisting of solitary individual cells
- The protein coat of a virus/is known as
a) Nucleoid b) Capsid c) Capsomere d) Outer envelope
- In *Amoeba*, which controls the cytoplasmic osmolarity?
a) Nucleus b) Ectoplasm c) Biurets d) Contractile vacuole
- The fungus without mycelium is
a) *Puccinia* b) *Phytophthora* c) *Rhizopus* d) *Saccharomyces*
- Viroids have
a) ssRNA not enclosed by protein coat b) ssDNA not enclosed by protein coat
c) dsDNA enclosed by protein coat d) dsRNA enclosed by protein coat
- Which one of the following organisms is scientifically incorrectly named and incorrectly described
a) *Plasmodium falciparum*-A protozoan pathogen causing the most serious type of malaria
b) *Trypanosoma gambiense*-The parasite of sleeping sickness
c) Diatoms-Very good pollution indicators
d) *Noctiluca*-A Chrysophyte, which shows bioluminescence

8. Which one of following has haplontic life cycle?
 a) *Funaria* b) *Polytrichum* c) *Ustilago* d) Wheat
9. Analyse the following statements about class-Ascomycetes
 I. Mycelium is branched and septate
 II. The asexual spores are conidia, produced on the special mycelium called conidiophores
 III. Sexual spores are called ascospores which are produced in sac like asci. These asci are arranged in same types of fruiting bodies called ascocarps
 Which of the statements given above are correct
 a) I and II b) I and III c) II and III d) I, II and III
10. Which of the given statement best describes the gametophytic in the alternation of generation life cycle?
 a) Generation that produces the gametes b) Generation that produces the spores
 c) Generation that has xylem and phloem d) The diploid generation
11. Which of the following does not belong to the kingdom-Protista?
 a) Chrysophytes b) Euglenoids c) Ascomycetes d) Dinoflagellates
12. Microphagial nutrition occurs in
 a) *Amphioxus* b) Insects c) *Paramecium* d) *Hydra*
13. Which of the following organisms completely lack cell wall, they are the smallest living cells known and can survive without oxygen?
 a) Mycoplasma b) Euglenoids c) Slime moulds d) All of these
14. Bacteriophage are
 a) Bacteria that attacks viruses b) Viruses that attacks bacteria
 c) Free living viruses d) Free living bacteria
15. Which of the following is not a character of Protista?
 a) Protists are prokaryotic
 b) Some protists have cell walls
 c) Mode of nutrition is both autotrophic and heterotrophic
 d) Body organization is cellular
16. Which one of the following is a matching pair of certain organism (s) and the kind of association?
 a) Shark and sucker fish – Commensalism
 b) Algae and fungi in lichens – Mutualism
 c) Orchids growing of trees – Parasitism
 d) *Cuscuta* (dodder) growing – Epiphytism On other flowering plants

