

Class : XIth
Date :

Subject : BIOLOGY
DPP No. :1

Topic :- Biological Classification

- Osmoregulation in *Paramecium* is a function of
a) Contractile vacuole b) Trichocysts c) Cytopyge d) Cytostome
- Fungi imperfecti includes
a) *Aspergillus* and *Penicillium* b) *Alternaria* and *Trichoderma*
c) *Ustilago* and *Puccinia* d) *Alternaria* and *penicillium*
- Which of the following is a non-hyphal unicellular fungus?
a) Yeast b) *Puccinia* c) *Ustilago* d) *Alternaria*
- Auxospores and homocysts are formed, respectively by
a) Several diatoms and a few cyanobacteria b) Several cyanobacteria and several diatoms
c) Some diatoms several cyanobacteria d) Some cyanobacteria and many diatoms
- HIV is classified as a retrovirus because its genetic information is carried in
a) DNA instead of RNA b) DNA c) RNA instead of DNA d) Protein coat
- Consider the following statements
I. Mycelium is branched and septate
II. The asexual spores are generally not formed
III. Vegetative reproduction takes place by fragmentation
IV. Sex organs are absent but sexual reproduction takes place by somatogamy
V. Karyogamy and meiosis takes place in basidium to form haploid four basidiospores
VI. Basidia are arranged in fruiting bodies called basidiocarp
The above statements are assigned to
a) Sac fungi b) Bracket fungi c) Imperfecti fungi d) Club fungi
- Aristotle classified the plants on the basis of their morphological characters and categorised them into
a) Tree, shrubs and herbs
b) Algae, bryophytes, pteridophytes, gymnosperms and angiosperms
c) Embryophytes and tracheophytes
d) Algae and embryophytes

8. Citrus canker is a
 a) Viral disease b) Bacterial disease c) Fungal disease d) Protozoan disease
9. Which is correct?
 a) RNA is genetic material of bacteria b) RNA is genetic material of all virus
 c) DNA is genetic material of some organism d) Some virus has RNA as genetic material
10. African sleeping sickness is caused by
 a) *Trypanosoma* b) *Leishmania* c) *Latimeria* d) *Plasodium*
11. Read the following statement about bacteria and select the correct option
 a) Bacteria are simple in structure but complex in behavior
 b) Bacteria are complex in structure but simple in behavior
 c) Bacteria are simple in both structure and behavior
 d) Bacteria are complex in both structure and behavior
12. Which of the following is a Gram negative bacterium?
 a) *Escherichia coli* b) *Bacillus subtilis*
 c) *Streptomyces coelicolor* d) *Ampycolatopsis orientalis*
13. Virus consists of
 a) Nucleic acid b) Protein c) Both (A) and (B) d) None of these
14. Parasitic and saprophytic conditions are more familiar in
 a) Fungi b) Bacteria c) Algae d) Ferns
15. Bacteriophage releases lysozyme during
 a) Penetration phase b) Eclipse phase c) Absorption phase d) Maturation phase
16. *Cladonia rangiferina* is a/an
 a) Algae b) Lichen c) Fungus d) Angiosperm
17. According to five kingdom classification bacteria belong to
 a) Protista b) Monera c) Plantae d) Archaea
18. Which of the following is a free living nitrogen fixing bacterium present in the soil?
 a) *Nitrosomonas* b) *Rhizobium* c) *Azotobacter* d) *Pseudomonas*
19. The genetic material of rabies virus is
 a) Double stranded RNA b) Single stranded RNA c) Double stranded DNA d) Single stranded DNA

20. All of the following fungi belongs to Phycomycetes, except

a) *Rhizopus*

b) *Mucor*

c) *Albugo*

d) *Agaricus*