

Class : XI<sup>th</sup>  
Date :

Subject : BIOLOGY  
DPP No. : 8

## Topic :- Biological classification

- Chitin is present in the cell wall of  
a) Fungi                      b) Bacteria                      c) Yeast                      d) Algae
- St. Anthony's fire disease is caused by  
a) Bacteria                      b) Fungus                      c) Nematodes                      d) Polychaete
- In *Plasmodium*, signet ring stage is formed during  
a) Exo-erythrocytic schizogony                      b) Erythrocytic schizogony  
c) Sporogony                      d) Gamogony
- Common cold is a  
a) Bacterial disease                      b) Viral disease                      c) Protozoan disease                      d) Fungal disease
- Viroids were discovered by  
a) TO Diener                      b) DJ Ivanowsky                      c) MW Beijerinck                      d) WM Stanley
- Plants provide protection from fungal disease by producing  
a) Protoxins                      b) Prolectins                      c) Phytoalexins                      d) All of these
- Who crystallised and isolated viruses for the first time?  
a) WM Stanley                      b) FC Bawden                      c) KM Smith                      d) DJ Ivanowsky
- Heating milk at 65°C followed by sudden cooling is known as  
a) Sterilization                      b) Preservation                      c) Pasteurization                      d) Fermentation
- Select incorrect pair.  
a) Porifera – choanocytes                      b) Coelenterata – eukaryote  
c) Annelida – segmentation                      d) Monera – eukaryote
- Who proposed five kingdom classification and named kingdoms as Monera, Protista, Fungi, Plantae and Animalia?  
a) Herbert Copeland                      b) R H Whittaker                      c) Carl Woese                      d) Carolus Linnaeus

11. Analyse the following statements regarding cyanobacteria and identify the correct option given below  
 I. The cyanobacteria are unicellular, colonial or filamentous, marine or terrestrial algae  
 II. The colonies of cyanobacteria are generally surrounded by gelatinous sheath  
**Codes**  
 a) Only I                      b) Only II                      c) I and II                      d) None of these
12. Some bacteria utilises inorganic substances like nitrate, nitrite, ammonia, etc., for the oxidation and release of energy for ATP production. These are known as  
 a) Cyanobacteria    b) Chemosynthetic autotrophic bacteria  
 c) Heterotrophic bacteria    d) Saprophytic bacteria
13. VAM is  
 a) Symbiotic bacteria    b) Saprophytic bacteria  
 c) Saprophytic fungi    d) Symbiotic fungi
14. Ascomycetes is commonly known as  
 a) Toad stool    b) Sac fungi  
 c) Imperfect fungi    d) Bracket fungi
15. Protozoans are  
 a) Heterotrophs                      b) Autotrophs                      c) Producer                      d) Saprophytes
16. The parthenospores of *Rhizopus* are  
 a) Uninucleate                      b) Binucleate                      c) Trinucleate                      d) Multinucleate
17. Bacteria do not have  
 a) Ribosome    b) Protein synthesizing apparatus  
 c) Mitochondria    d) Cell wall
18. Viruses and viroids are the non-cellular organisms, which are not characterised in the classification of  
 a) Whittaker                      b) Aristotle                      c) Linnaeus                      d) Watson
19. Which of the following is correct matched?  
 a) Humus – Abiotic component    b) *Rhizobium* – Free-living nitrogen fixer  
 c) Phosphorus cycle – Sedimentary    d) *Shorea robusta* – Tropical deciduous forest
20. Which of these best describes the saprophytic generation in plant's life cycle?  
 a) The haploid generation    b) Generation that produces the gametes  
 c) Generation that produces spores    d) Generation that has xylem and phloem

