

Class : XIth
Date :

Subject : BIOLOGY
DPP No. : 3

Topic :- Biological Classification

1. Slimy mass of protoplasm with many nuclei and an *Amoeba* – like thalloid body is a characteristic feature of
a) Ascomycetes b) Actinomycetes c) Phycomycetes d) Myxomycetes
2. The bacteria that can reside in extreme salty areas are called as
a) Halophiles b) Methanogens c) Basophiles d) Thermoacidophiles
3. In which of the following patterns of viral replication, viruses enter a cell, replicate and then cause the cell to burst, releasing new viruses?
a) Lytic b) Lysogenic c) Repreogenic d) Both (a) and (b)
4. Potato leaf roll or leaf curl of papaya are caused by
a) Fungi b) Viruses c) Bacteria d) Nematodes
5. The given statements describes a group of organism
I. Instead of a cell wall, they have a protein rich layer called pellicle which makes their body flexible
II. They have two flagella a short and a long one
III. They are photosynthetic in the presence of sunlight, when deprived of sunlight they behave like heterotrophs by predateding on other smaller organism
Which of the following group is referred here?
a) Slime moulds b) Dinoflagellates c) Euglenoids d) Protozoans
6. In the light of recent classification of living organisms into three domains of life (bacteria, archaea and eukarya), which one of the following statement is true about archaea?
a) Archaea resemble eukarya in all respects
b) Archaea have some noble features that are absent in other prokaryotes and eukaryotes
c) Archaea completely differ from both prokaryotes and eukaryotes
d) Archaea completely differ from prokaryotes

7. The sexual stages of pathogens of blast of rice and red rot of sugarcane are named respectively as
- Magnaporthe grisea* and *Colletotrichum falcatum*
 - Colletotrichum falcatum* and *Pyricularia oryzae*
 - Glomerella tucmanensis* and *Magnaporthe grisea*
 - Magnaporthe grisea* and *Glomerella tucmanensis*
8. Substances secreted by bacteria are
- Proteins
 - Toxins
 - Interferons
 - Antibiotics
9. Which of the following statement is correct?
- Viruses are obligate parasites
 - All fungi are pathogenic
 - All algae are eukaryotes
 - Bacteria are always harmful to mankind
10. In five kingdom system of classification of R H Whittaker, how many kingdoms contain eukaryotes?
- Four Kingdoms
 - One Kingdom
 - Two Kingdoms
 - Three Kingdoms
11. *Contagium vivum fluidum* concept of virus was proposed by
- DJ Ivanowsky
 - MW Beijerinck
 - Stanley
 - Robert Hooke
12. Heterothallism was discovered by
- Blakeslee
 - Bessey
 - Butler
 - A Flemming
13. A place was rocky and barren but now there is a green forest, the sequence of origin is
- Lichen, moss, herbs, shrubs
 - Moss, lichen, herbs, shrubs
 - Lichen, moss, shrubs, herbs
 - Shrubs, herbs, moss, lichen
14. The asexual spores formed by *Colletotrichum falcatum*, *Sphaerotheca* and *Rhizopus stolonifer* are
- Many called
 - One called
 - Pyriform in shape
 - Rod shaped
15. Read the following statements regarding archaebacteria and select the correct option
- Archaebacteria differs from other bacteria in having different cell wall structure
 - Their cell wall is made up of cellulose and contains high amount of unsaturated fatty acid, which is responsible for their survival in extreme conditions
 - Thermoacidophiles have dual ability to tolerate high temperature as well as high acidity
- I and II are true
 - I and III are true
 - II and III are true
 - I, II and III are true
16. In addition to absence of chlorophyll, what is the other difference between fungi and higher plants?
- Type of nutrition and composition of cell wall
 - Cell type
 - Nucleus
 - Reproduction

17. Identify from the following examples, a fungus, which is of medicinal importance
a) *Agaricus* b) *Saccharomyces* c) *Penicillium* d) *Cercospora*
18. Which one of the following pathogens causes citrus canker disease?
a) *Meloidogyne incognita* b) *Anguina tritici*
c) *Xanthomonas citri* d) *Pseudomonas rubilineans*
19. Kingdom-Protista includes
a) Life cycle showing sporic meiosis b) Life cycle showing zygotic meiosis
c) Life cycle showing gametic meiosis d) Both (b) and (c)
20. What is common about *Trypanosoma*, *Noctiluca*, *Monocystis* and *Giardia*?
a) These are all unicellular protists b) They have flagella
c) They produce spores d) These are all parasites

PE