

Class : XIth
Date :

Subject : BIOLOGY
DPP No. : 10

Topic :- Biological Classification

- Which one of the following does not grow in artificial media?
a) TMV b) Bacteria c) Yeast d) *Rhizopus*
- Silica gel is obtained by
a) Red algae b) Diatoms c) *Euglena* d) Mycoplasma
- Which pair of the following belongs to Basidiomycetes?
a) Birds nest fungi and puffballs b) Puffballs and *Claviceps*
c) *Peziza* and stink horns d) *Morchella* and mushrooms
- In which of the following kingdoms, diatoms are placed?
a) Plantae b) Fungi c) Protozoa d) Protista
- The wall of bacteria consist of
a) N-acetylglucosamine b) N-acetyl muramic acid
c) Both (a) and (b) d) Cellulose
- I. *Noctiluca* is a colourless dinoflagellates, which is an important constituent of coastal plankton of both temperate and tropical seas
II. The cellular slime moulds have the characters of both plants and animals
Which of the statements given above is/ are correct?
a) Only I b) Only II c) I and II d) None of the above
- VAM is useful for
a) Phosphate nutrition b) Breaking of dormancy
c) Decrease in diseases d) Retarding flowering
- Which of the following group always produce an infectious spore like stage in their life cycle?
a) Amoeboid protozoans b) Ciliated protozoans
c) Flagellated protozoans d) Sporozoans
- Which mushroom contains muscarine?
a) *Agaricus bisporus* b) *Volvariella volvacea*
c) *Pleurotus sojar* d) *Amanita virosa*

10. Consider the following statements
 I. Fruce discovered that the parasite of sleeping sickness is transmitted by tse-tse fly
 II. Sleeping sickness of *Trypanosoma gambiens* is also called Gambian trypanoomiasis, which is found in western and central parts of Africa
 III. *Trichomonas vaginalis* inhabits vagina of women and causes the disease leucorrhoea
 IV. *Entamoeba histolytica* resides in the upper part of the human large intestine and cause the disease known as amoebic dysentery
 Which of the statements given above are correct?
 a) I, II and III b) II, III and IV c) I, II and IV d) All of these
11. Protozoans are divided into..... groups. Most suitable word to fill the blank is
 a) Three b) Four c) Two d) Eight
12. Fungi differs from slime moulds by lacking of
 a) Flagellated spores b) Ascospores c) Basidiospores d) Zygosporos
13. Isogamous means
 a) Similar in morphology
 b) Similar in anatomy
 c) Similar in morphology female gamete is bigger than male gamete
 d) Similar in morphology male gamete is bigger than male gamete
14. Viruses posses
 a) DNA only b) Nucleic acid, DNA or RNA
 c) Protein only d) Nucleic acid and protein
15. Members of Ascomycetes are
 a) Sporophytic b) Decomposers
 c) Parasitic or coprophilous d) All of these
16. A bacterium is capable of with standing extreme heat, dryness and toxic chemicals. This indicates that it is probably above to form
 a) A thick peptidoglycan wall b) Endospores
 c) Endotoxins d) Endogenous buds
17. Bacterial blight of rice is caused due to
 a) *Xanthomonas oryzae* b) *Helminthosporium oryzae*
 c) *Pseudomonas falcatum* d) *Xanthomonas falcatum*

18. In the following table, identify the correct matching of the crop, its disease and the corresponding pathogen.

Crop - Disease - Pathogen

a) Citrus - Canker - *Pseudomonas rubrilineans*

b) Potato - Late blight - *Fusarium udum*

c) Brinjal- Root knot - *Meloidogyne incognita*

d) Pigeon pea - Seed gall - *Phytophthora infestans*

19. Which of the following pairs of bacteria is involved in two step conversion of NH_3 into nitrate?

a) *Azotobacter* and *Nitrosomonas*

b) *Nitrosomonas* and *Nitrobacter*

c) *Azotobacter* and *Achromobacter*

d) *Pseudomonas* and *Nitrobacter*

20. Insectivorous plants are principally

a) Autotrophic

b) Heterotrophic

c) Parasitic

d) Pathogenic

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