

9. Among the given groups, how many belong to Kingdom Protista-

[Slime moulds, Methanogens, Euglenoids, Phycomycetes, Cyanobacteria, Dinoflagellates, Chrysophytes]

- 1) Two 2) Three
3) Four 4) Five

10. Chrysophytes and slime moulds belong to phylum _____ and _____ respectively.

- 1) Monera, Protista
2) Protista, Monera
3) Monera, Monera
4) Protista, Protista

11. Trypanosoma is an example of ____ protozoan and is responsible for _____ disease.

- 1) Ciliated, African sleeping sickness
2) Flagellated, African sleeping sickness
3) Flagellated, Kala azar
4) Ciliated, Kala azar

12. Select the incorrect pair-

- 1) Diatoms - Chrysophytes
2) Gonyaulax - Dinoflagellates
3) Amoeba - Protozoan
4) Trichoderma - Basidiomycetes

13. Which set of fungi belong to same group of fungi -

- 1) Rhizopus, Albugo, Puccinia
2) Claviceps, Morels, Neurospora, Agaricus
3) Rhizopus, Mucor, Agaricus
4) Penicillium, Truffles, Yeast

14. Identify the parasitic fungi on mustard -

- 1) Rhizopus 2) Albugo
3) Puccinia 4) Ustilago

15. Select the incorrect set of statements -

- A. Methanogens produce biogas from dung in ruminants.
B. Protistans may have siliceous cell wall.
C. Euglenoids usually possess two equal flagella.
D. Dinoflagellates are usually marine.
E. Mycoplasma are cell wall less prokaryotes.

- 1) A and C 2) B and E
3) B and C 4) C only

16. Which of the following group is non-photosynthetic?

- 1) Chrysophytes
2) Dinoflagellates
3) Euglenoids
4) None of these

17. Read the following statements :

- A. Diatoms and Desmids share common Kingdom.
B. Euglenoids are mostly marine.
C. Mycoplasma are obligate aerobes.
D. Dinoflagellates are major producers of ocean.
E. Heterocysts in cyanobacteria are helpful in reproduction.

How many of the above statements are correct?

- 1) None 2) One
3) Two 4) Three

18. Which set of organisms share same Kingdom?

- 1) Amoeba, Paramecium, Plasmodium
2) Gonyaulax, Nostoc, Amoeba, Desmids
3) Sulphur bacteria, Iron bacteria, Colletotrichum
4) None of the above

48. A photosynthetic organism was studied and was found to be having two flagella - one long and another short. Also when such organism was deprived of sunlight, it starts acting as predator. Which of the following feature can also be expected in such organism?

- 1) Presence of pellicle
- 2) Presence of a thick cell wall
- 3) Presence of photosynthetic pigments dissimilar to that of plants
- 4) Terrestrial mode of life.

49. Sports of slime moulds are -

- 1) Less resistant and survive for few weeks
- 2) Less resistant and survive for few months
- 3) Highly resistant and survive for few years
- 4) Highly resistant and survive for many years.

50. Which of the following are members of deutromycetes?

- 1) Alternaria, Trichoderma
- 2) Ustilago, Puccinia
- 3) Neurospora, Claviceps
- 4) Penicillium, Yeast.

51. Presence of some bacteria is expected in hot springs. These are :

- 1) Archaeobacteria
- 2) Phototropic autotrophs
- 3) Chemosynthetic autotrophs
- 4) Heterotrophic eubacteria.

52. Identify the correct statement:

- 1) All plants without any exception are obligate autotrophs
- 2) All fungi without any exception are obligate saprotrophs
- 3) All animals without any exception are obligate heterotrophs
- 4) All monerans without any exception are obligate anaerobes.

53. Which of the following is considered as multicellular?

- 1) Fungi
- 2) Virus
- 3) Viroid
- 4) Prion.

54. Which structure helps archaebacteria to live in most harsh habitats?

- 1) Cell wall
- 2) Plasmid
- 3) Plasma membrane
- 4) Mesosomes.

55. Methanogens can be observed in :

- 1) Hot springs
- 2) Extremely saline conditions
- 3) Gut of ruminants
- 4) Fresh water resources.

56. Common in cyanobacteria and plants :

- 1) Chlorophyll a
- 2) Cell wall constituents
- 3) Both (1) and (2)
- 4) None of the above.

57. Mushrooms and Bracket fungi respectively belong to the classes :

- 1) Ascomycetes and Basidiomycetes
- 2) Basidiomycetes and Basidiomycetes
- 3) Basidiomycetes and Deutromycetes
- 4) Ascomycetes and Deutromycetes.

58. Which pair belong to same class of fungi?

- 1) Agaricus, Colletotrichum
- 2) Aspergillus, Yeast
- 3) Mucor, Puccinia
- 4) Ustilago, Claviceps.

59. Edible fungi like morels and truffles belong to the class :

- 1) Ascomycetes
- 2) Basidiomycetes
- 3) Deutromycetes
- 4) Phycomycetes.

60. Dikaryophase in some fungi is represented as

- 1) $2n$
- 2) $n + n$
- 3) $2n + 2n$
- 4) $2n + n$