**Choose the correct answer**

1. The study of algae is known as --------

a) Mycology

b) Phycology

c) Taxonomy

d) Physiology

2. The reserve food material in green algae is --------

a) cellulose

b) starch

c) protein

d) glycogen

3. The reserve food material in cyanobacteria is --------

a) cellulose

b) starch

c) protein

d) glycogen

4. Plastids are absent in------

a) Cyanophyta

b) Chlorophyta

c) Rhodophyta

d) Phaeophyta

5. Sexual reproduction is absent in----------

a) Cyanophyta

b) Chlorophyta

c) Phaeophyta

d) Rhodophyta

6. The Red color pigment in cyanobacteria is due to ----

a) Chlorophyll a

b) phycocyanin

c) allophycyanin

d) allophycocyanin

7. Which of the following has prokaryotic cells -------

a) *Nostoc*

*b) Ulothrix*

*c) Volvox*

*d) Chlorella*

8.Cyanobacteria is a recent name for:

a. Nostoc

b. Myxomycetes

c. Chlorophyceae

d. None of these

9. Prokaryotic ribosomes are

a. 30-S

b. 50-S

c. 70-S

d. 80-S

9. First oxygenic photosynthetic organisms in the earth:

a. Green sulfur bacteria

 b. Cyanobacteria

c. Purple sulphur bacteria

d. All of these

10. Hormogonia are produced by:

a. *Oscillatoria*

*b. Nostoc*

*c. lyngbya*

d. All of above

11. Trichomes of cyanobacteria lack:

a.  Cell wall

b. Gelatinous sheath

c. Cytoplasm

d. DNA

12. Cells of cyanobacteria differ from that of eubacteria in having:

 a. 70- S ribosomes

b. DNA

 c. Thylakoids

 d. Cell wall

13. Abundance of cyanobacteria in rice fields results in saving of:

a.  Irrigation

b. Phosphorus

c. Potassium

d. Nitrogen

14. Separation disc is formed in cyanobacteria during the formation of:

a.   Akinets

b. Heterocysts

c. Hormogonia

d. Exospores

15. Bacteria and cyanobacteria have similar type of:

a. Ribosomes

 b. DNA

 c. Cell wall

 d. All of these

16. Cyanobacteria differ from bacteria as they:

a. Produce Oxygen in photosynthesis

 b. Exhibit genetic recombination

 c. Do not have membrane bounded cell organelles

 d. Have circular double stranded DNA

17. The unique structure in cyanobacteria is :

  a. Cell wall

b. Gas vacuoles

C. Ribosomes

d. Heterocysts

18. Cyanobacteria perennate unfavorable conditions through:

 a. Akinites

 b. Hormogonia

 c. Binary fission

 d. All of these

19. The vegetative body of algae is called …..:

 a. Mycellium

 b. Thallus

 c. Hyphae

 d. Plasmodium

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20. In which life cycle Haploid gametes are mitotically formed?

 a. Haplontic

 b. Diplontic

 c. Isomorphic

 d. Heteromorphic