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Questions:

IV. Answer in detail:

1. Give a general account on lichens.
2. Write down the salient features of cyanophyceae.

III. Answer in brief:

3. Write the distinguishing features of Monera.
4. Draw a T_4 bacteriophage and label the parts.

II. Answer the following:

5. Differentiate Homoiomerous and Heteromerous lichens.
6. What is Virion?

I. Choose the correct answer:

7. Identify the incorrect statement about the Gram positive bacteria.
   (a) Teichoic acid absent (b) High percentage of peptidoglycan is found in cell wall (c) Cell wall is single layered (d) Lipopolysaccharide is present in cell wall
8. Identify the Archaebacterium.
   (a) Acetobacter (b) Erwinia (c) Treponema (d) Methanobacterium
9. The correct statement regarding Blue green algae is _____.
   (a) lack of motile structures (b) presence of cellulose in cell wall (c) absence of mucilage around the thallus (d) presence of floridean starch
10. The symbiotic association between fungi mycelium and roots of plants is called _____.
    (a) Mycorrhiza (b) Algae (c) Fungi (d) Lichen
11. Which of the following components provides sticky character to the bacterial cell?
    (a) Cell wall (b) Nuclear membrane (c) Plasma membrane (d) Glycocalyx

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