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Questions:

IV.Answer the following in detail.

1. Briefly discuss on five kingdom classification. Add a note on merits and demerits.
2. Give a general account on lichens.
3. Differentiate Gram positive and Gram negative bacteria.
4. Write the outline of the life cycle of Agaricus.

III. Answer any 2 of the following

5. Write the distinguishing features of Monera.
6. Why do farmers plant leguminous crops in crop rotations/mixed cropping?
7. Mention the economic importance of lichens.
8. Differentiate between anabolism and catabolism.
9. Differentiate Oidium and chlamydospore.

II. Answer any 3 of the following

10. Differentiate Homoiomerous and Heteromerous lichens.
11. What is a Prophage?
12. What are Archaebacteria?
13. Give two examples for mycorrhizae forming fungi.
14. Why are Lichens are considered as "pollution indicators"?

I Choose the best answer.

15. Identify the Archaebacterium.
    (a) Acetobacter (b) Erwinia (c) Treponema (d) Methanobacterium
16. 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
17. Identify the correctly matched pair.
    (a) Actinomycete - Late blight (b) Mycoplasma - Lumpy jaw (c) Bacteria - Crown gall (d) Fungi - Sandal spike

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