

Model Question paper for U.G Core Courses -Theory

V semester B Sc Microbiology degree Examination
5B09 MCB ENVIRONMENTAL MICROBIOLOGY

Maximum marks: 40

Time: 3Hours.

Section A (Answer *all the four* questions)

1. Microbial inhabitants of the bottom regions of a water body are called.....
2. The relationship between organisms in which one species benefits and the other remains unaffected is known as.....
3. Name the enzyme catalysing nitrogen fixation.
4. Give an example for recalcitrant hydrocarbon.

[4x1=4]

Section B (Answer very briefly on *any seven* questions out of ten)

Comment on the following:

5. Ecosystem
6. Mutualism
7. Droplet nuclei
8. Xenobiotics
9. Biofilm
10. Trophic levels
11. Biomagnification
12. Ammensalism
13. Anderson sampler
14. Soil fungi

[7x2=14]

Section C (Answer *any four* questions out of six briefly)

15. Bioremediation
16. Antibiosis
17. Sulphur cycle
18. Nitrogen fixation
19. Fresh water microflora
20. Parasitism

[4x3=12]

Section D (Answer *any two* questions out of four)

21. Describe the various air sampling methods
22. Explain the process of microbial leaching and write its importance.
23. Explain the microbial degradation of petroleum hydrocarbons.
24. What are biogeochemical cycles? Explain nitrogen cycle.

[2x5=10]

Sd/-

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