

D 11234

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Name.....

Reg. No.....

**FIFTH SEMESTER B.A./B.Sc./B.Com./B.B.A. DEGREE
EXAMINATION, NOVEMBER 2016**

(CUCBCSS—UG)

Open Course

MBY 5D 02—ENVIRONMENTAL MICROBIOLOGY

Time : Two Hours

Maximum : 40 Marks

Part A

*Answer **all** questions.*

1. Cholera is a bacterial disease that spread through _____
2. Global warming is due to excessive release of _____ ~~gases to the atmosphere.~~
3. Removal of pollution or contaminants from soil, ground water or similar environment is called _____
4. Dried residues that may be infectious, formed by evaporation of aerosols coughed or sneezed into the atmosphere, are called _____
5. Soil layer that immediately surrounds the root system of plant will be having high level of microbial activity. This area of soil is called _____
6. The process of nutrient enrichment that leads to algal blooms in water bodies is termed as _____
7. Movement of elements, like carbon nitrogen, sulphur etc. through organisms and the environment in a cyclic pathway is called _____
8. The place or environment where a plant, animal or micro-organism naturally or normally lives and grows is called it's _____
9. Composting with the use of earthworms is called _____
10. The increasing concentration of toxic chemical, in the tissues of organisms at successively higher levels in a food chain is usually due to _____

(10 x $\frac{1}{2}$ = 5 marks)

Part B

Answer any five questions.

Comment on the following :-

11. Biotic factors in an ecosystem.
12. Acid rain.

Turn over

13. Airborne disease.
14. Sewage.
15. Xenobiotics.
16. Hydrosphere.
17. Nitrogen fixation.

(5 x 2 = 10 marks)

Part C

Answer any **three** questions.

Write briefly on :

18. Indicator organisms of water pollution.
19. Lithosphere.
20. Energy transfer efficiencies between **trophic** levels.
21. **Biogas**.
22. Water treatment.

(3 x 5 = 15 marks)

Part D

Answer any **one** question.

23. What is meant by **biodiversity**? Why is it important? Discuss the causes of **biodiversity** destruction and its remedial measures.
24. What is meant by Ozone hole? Discuss the causes and apprehensions.

(1 x 10 = 10 marks)