

C 30376

(Pages : 2)

Name.....

Reg. No.....

**FIFTH SEMESTER B.A./B.Sc./B.Com./B.B.A. DEGREE EXAMINATION
NOVEMBER 2017**

(CUCBCSS—UG)

Open Course

MBY 5D 02—ENVIRONMENTAL MICROBIOLOGY

Time : Two Hours

Maximum : 40 Marks

Part A

Answer all questions.

1. _____ is an example for fossil fuel.
2. BOD is the measure of the _____ in polluted water.
3. Organisms that can fix CO₂ in presence of sun light are called _____ in the ecology.
4. Rhizobium is a bacterium that can fix _____ from atmosphere.
5. Soil, water, atmospheric gases etc. are examples of _____ factors of an ecosystem.
6. All food chains of an ecosystem constitutes the _____ of that ecosystem.
7. Atmospheric pollution by sulphur and nitrogen oxides is responsible for _____.
8. Chickenpox that is a viral infection that is an example of _____ disease.
9. Different strata of an ecological pyramid are called _____ levels.
10. CFCs destroy _____ molecules in stratosphere.

(10 × ½ = 5 marks)

Part B

Answer any five questions.

Comment on the following :

11. Droplet nuclei.
12. Decomposers.
13. Primary consumer.
14. Green house effect.
15. Humus.

Turn over

16. Biogeochemical cycle.
17. Global warming.

(5 × 2 = 10 marks)

Part C

Answer any **three** questions.

Write briefly on :

18. Non renewable energy.
19. Soil microflora.
20. Biomagnification.
21. Vermicomposting.
22. Rhizosphere effect.

(3 × 5 = 15 marks)

Part D

Answer any **one** questions.

23. What is sewage ? Discuss the importance of sewage treatment.
24. Define and discuss Ecosystem.

(1 × 10 = 10 marks)