FIRST SEMESTER B.A./B.Sc. DEGREE EXAMINATION NOVEMBER 2019

(CUCBCSS—UG)

Biotechnology

BTY 1C 03—ENVIRONMENTAL BIOTECHNOLOGY

Time : Three Hours   Maximum : 64 Marks

Section A

Answer all questions in a word or Phrase.
Each question carries 1 mark.

1. Biomagnification.

2. Stratosphere.

3. Non renewable resources.

4. CNG.

5. Ecosystem.

6. Denitrification.

7. Eutrophication.

8. Energy flow in an ecosystem.

9. Major Air pollutants.

10. Pyrolysis.

(10 × 1 = 10 marks)

Section B

Give short answer to any seven out of ten questions.
Each question carries 2 marks.

11. Preventive measures for solid waste pollution.

12. Brief note on Minimata tragedy.

13. Ozone depletion and its impact.

14. Components of biotic factors.

Turn over

15. Distinguish B.O.D and C.O.D. ?

16. Explain the role of microbes in sulfur cycle.

17. Explain end pipe treatment.

18. Define biodiversity? Discuss the methods to conserve biodiversity.

19. Explain phosphorus cycle.

20. Describe green land ecosystem.

(7 × 2 = 14 marks)

Section C

Answer in a paragraph to any **four** *out of six questions.*
Each question carries 5 marks

21. Describe important four segments of environment.

22. Discuss various kinds of pollution.

23. Discuss the impacts of climate changes in India.

24. How to conserve non replaceable resources ?

25. Describe different abiotic components of ecosystem.

26. Explain water cycle and its significance.

(4 × 5 = 20 marks)

Section D

Write essays on any **two** *questions.*
Each question carries 10 mark.

27. Explain different pollution control strategies.

28. Discuss about various non-conventional energy resources and explain how it preserve.

29. Describe the role of microbes in nitrogen cycle. Elaborate on symbiotic nitrogen fixation.

30. Discuss how human activities influences the ecosystem.

(2 × 10 = 20 marks)