

C 44070

(Pages

Name.....

Reg. No.....

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, AUGUST 2013

(CUCSS)

General Biotechnology

GB 2C 3—ENVIRONMENTAL BIOTECHNOLOGY

Time : Three Hours

Maximum : 36 Weightage

Section A

Answer all questions.

1. Bioaccumulation.
2. Bioremediation.
3. Benzo pyrenes.
4. Spirulina.
5. PHB.
6. Azolla.
7. Bioleaching.
8. VASB.
9. Indicators of water pollution.
10. PAHs.

(10 x 1 = 10 weightage)

Section B

Answer any seven of the questions.

11. What are degradative plasmids ? What is their role in biodegradation ?
12. Write a note on biopesticides.
13. Discuss the different sources of air pollution.
14. Write briefly on the aerobic processes for waste water treatment.
15. Discuss strategies for treatment of biomedical wastes.
16. Write notes on bioplastics.
17. Write notes on SCP.
18. What are the implications of global warming.

Turn over

19. Write briefly on activated sludge process.
20. Write briefly on hydrogen from biomass.

(7 x 2 = 14 weightage)

Section C

Answer any two questions.

21. Elaborate pesticides and its adverse effects on environment.
22. Biofertilizer and their role. Discuss.
23. Anaerobic processes for industrial waste water treatment.

(2 x 6 = 12 weightage)