

SECOND SEMESTER M.Sc. DEGREE EXAMINATION, JUNE 2015

(CUCSS)

General Biotechnology

GB 2C 3—ENVIRONMENTAL BIOTECHNOLOGY

Time : Three Hours

Maximum : 36 Weightage

Section A (Very Short Answer)

Answer **all** the ten questions with one **or** two sentences.

Each question carries a weightage of 1.

1. Biopol-A.
2. Tol plasmid.
3. Phyto remediation.
4. Algal biofertilizers.
5. Vermiculture.
6. Sources of Air Pollution.
7. Recalcitrant.
8. Activated studge.
9. Biosorption.
10. Biomagnification.

(10 x 1 = 10 weightage)

Section B (Short Answer)

Answer any **seven** questions.

Each question carries a weightage of 2.

11. Discuss about the production of bioethanol and biodiseal.
12. Explain the factors influence soil pollution.
13. Discuss about different strategies for solid waste management.
14. Explain the benefits and limitations of biofertilizers.
15. Explain the biodegradatin of xenobiotic compounds.
16. Different types of biopesticides and their role in integrated pest management.
17. Explain the anaerobic process in distillary and tannery industries.

Turn over

18. Discuss about sources and control measures of water pollution.
19. Brief account on bioplastics and their role in environmental management.
20. Explain the role of bioremediation in solid waste management.

(7 x 2 = 14 we a

Section C (Essay Questions)

Answer any two questions.

Each question carries a weightage of 6.

21. Describe various factors responsible for Global Environmental problems.
22. Describe the fate of Biodegradation of polychlorinated biophenyls.
23. Describe chemical and biological methods used in waste water management.

(2 x 6 = 12 w