

21340

Name:

Reg. No.

**FIFTH SEMESTER B.Sc. DEGREE (CCSS) EXAMINATION
NOVEMBER, 2011**

Microbiology – Open Course

MB5D02 – Environmental Microbiology

Time: Three hours

Maximum weightage : 30

Section A (Answer all the 12 questions)

1. Name one green house gas
2. The bacterium used as an indicator of faecal pollution is
3. Xenobiotics are resistant to
4. Which radiation causes skin cancer in human beings?
5. Name an air borne disease.
6. What is the full form of BOD?
7. What is the negative logarithm of Hydrogen ion concentration called?
8. What is sewage?
9. What is the full form of GMO?
10. What is the formula of ozone?
11. Write the full form of COO.
12. What is rhizosphere? (12X1/4=3)

Section B (Answer all the 9 questions in one or two sentences)

13. Ozone depletion
14. Denitrification
15. Droplet nuclei
16. Activated sludge process
17. Commensalism
18. Food chain

- 19. Osmotic pressure
- 20. Mineralisation
- 21. Indicator organisms

(9X1=9)

Section C (Answer briefly any 5 questions)

- 22. Nitrogen cycle
- 23. Biomagnification
- 24. Air borne infections
- 25. Trickling filters
- 26. Acid rains
- 27. Oxidation ponds
- 28. Water borne diseases

(5X2=10)

Section D (Answer any 2 questions in detail)

- 29. Ethical issues concerned with the release of **GMOs** to the environment.
- 30. Physical and chemical factors influencing the growth of micro organisms.
- 31. Aesthetic issues and toxicity of **xenobiotics**

(2X4=8)