

End Semester Examinations - 2015-16 Even Semester - May 2016

14BT3012 Advanced Environmental Biotechnology

Set B

Time : 3 hrs
Total Marks: 100

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1. Write a short note on the various sources of water pollution and the various clean up and recovery process (20 marks).

OR

2. Write a detailed note on the various sources of air pollutants and their effects on human, plant, animal and environment (20 marks).

3. Explain different process involved in the Pharmaceutical industry effluent treatment. (20 marks)

OR

4. Write the different stages and process involved in the distillery industry effluent treatment. (20 marks)

5. Explain the process and method of operation of the

A) Fluidized bed biological reactors (10Marks)

B) Upflow anaerobic sludge blanket reactor (10Marks)

OR

6. Explain the mechanism of operation of the

A. suspended growth reactors (10Marks)

B. Sequential batch reactors (10Marks)

7. Narrate the various characteristics of an effluent that determine the method of treatment. (20 marks)

OR

8. Elaborate the details in vermicomposting and add a note on its advantages and use in organic farming.

9. Narrate the recent genomic tools and techniques in Bioremediation.

Wishing you All the Best
