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Total No. of Pages : 01

Total No. of Questions : 08

**M.Tech.(Bio Tech.) (Sem.-1)****ENVIRONMENTAL ENGINEERING AND WASTE MANAGEMENT**

Subject Code : MTBT-111

M.Code : 23022

Time : 3 Hrs.

Max. Marks : 100

**INSTRUCTION TO CANDIDATES :**

1. Attempt any FIVE questions out of EIGHT questions.
2. Each question carries TWENTY marks.

1.
  - a) Elaborate types and sources of air pollution.
  - b) Discuss sources of solid waste.
2. Discuss different methods of Air pollution Control techniques.
3.
  - a) Discuss methods of water quality modelling for streams.
  - b) How are effluents characterized and what standards are followed?
4. Elaborate on the various biological treatment strategies for wastewater.
5. Write about Micrometeorology, Dispersion and fate of Air pollutants.
6. Elaborate on techniques for Solid waste treatment and disposal.
7. What are Biofuels? Write about role of microbes as energy source.
8.
  - a) What are Biofilters? Discuss the technology in detail,
  - b) Write a note on Bioremediation.

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**

