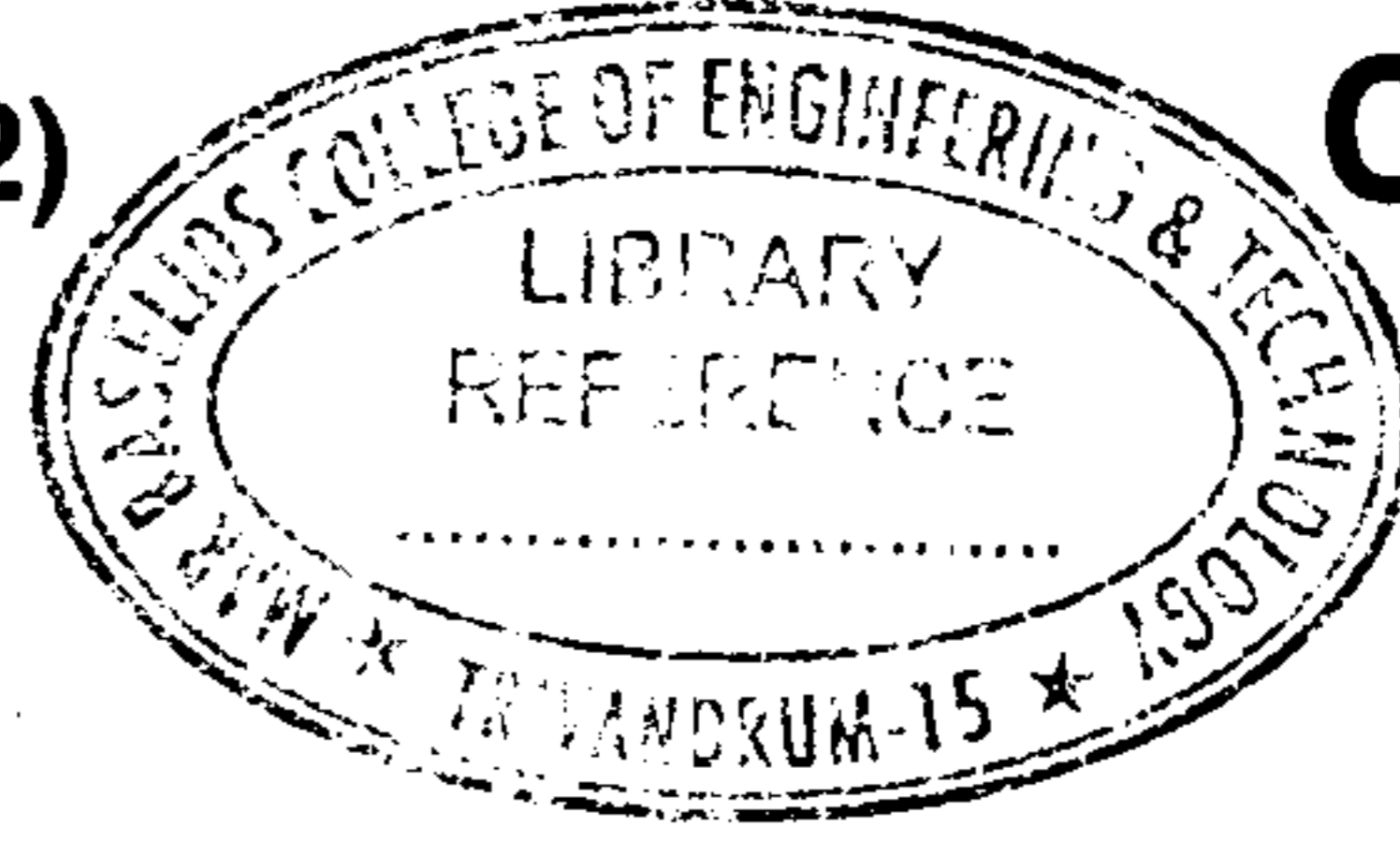




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C – 2353

Reg. No. :

Name :

**Eighth Semester B.Tech. Degree Examination, May 2017
(2013 Scheme)**

13.806.6 : INDUSTRIAL WASTE WATER MANAGEMENT (C)

Time : 3 Hours

Max. Marks : 100

Instructions : Answer all questions in Part A and any one full question from each Module in Part B.

PART – A

1. Write the environmental effects of industrial waste water discharged into a stream.
2. Define what is BOD, COD and DO.
3. What is Neutralisation ?
4. Write the various measures to be taken for protecting any water bodies from environmental pollution.
5. Write the characteristics of Tannery effluent. **(5×4=20 Marks)**

**PART – B
Module – 1**

6. Enumerate and explain the characteristics of sewage and state their environmental significance. **20**

OR

7. Explain how the volume and strength are reduced for any Industrial effluents. **20**

Module – 2

8. Explain the various steps taken for stream protection. Write the effluent standards and stream standards as prescribed by Government of India. **20**

OR

9. Explain the different factors to be considered for stream sampling and explain how the self purification takes place in any streams. **20**

P.T.O.



Module – 3

10. Explain the process of removal of dissolved organic matters from Industrial Waste Water. **20**

OR

11. Explain the process of separating the oil, grease and other emulsions from the waste water. **20**

Module – 4

12. Explain the effluent treatment process for tannery waste. **20**

OR

13. Explain the process of effluent treatment for textile industries. **20**
