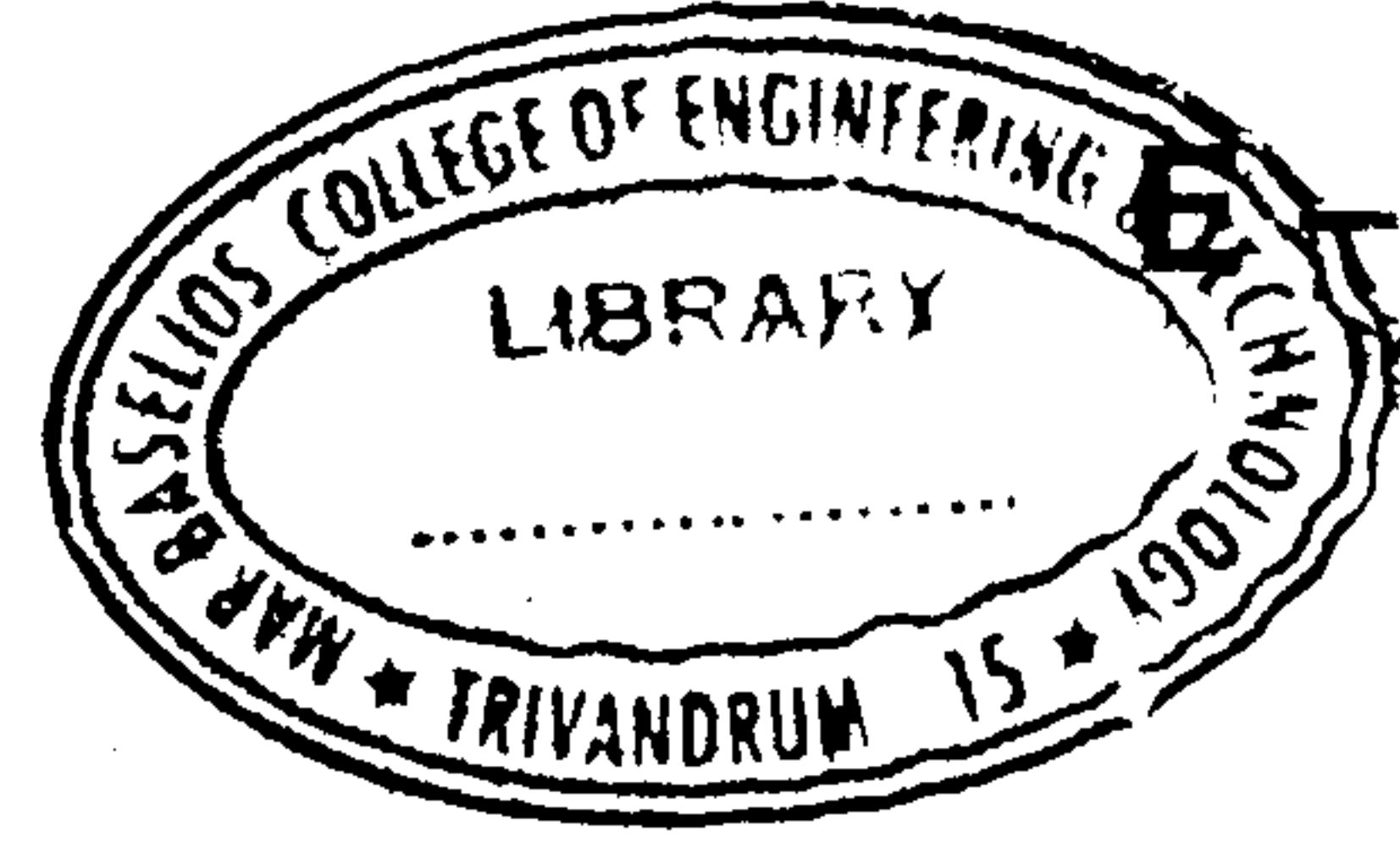




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5449

Reg. No. : .....

Name : .....

**Eighth Semester B.Tech. Degree Examination, October 2018  
(2008 Scheme)**

**08.807.3 : Elective – V : INDUSTRIAL WASTE WATER MANAGEMENT (C)**

Time : 3 Hours

Max. Marks : 100

**PART – A**

1. Answer **all** questions.

- a) Name the industries which are contributing coloured wastes and discuss its effect on a stream.
- b) Estimate the TOC present in 25 gms of glucose.
- c) Discuss the different types of settling operation used in the treatment of waste.
- d) Explain the process of electro dialysis.
- e) List the pollutants that are generally present in distillery waste.
- f) What is oxygen deficit ? Write down the Streeter Phelp's equation and its application in the waste treatment.
- g) Explain breakthrough curves and its application.
- h) Explain discrete settling and its use.

**(5×8=40 Marks)**

**PART – B**

Answer **one full** question from **each** Module.

**Module – I**

2. Explain the steps involved in the joint treatment of industrial wastes with domestic sewage.

OR

3. Describe the various methods of neutralisation used in the industrial waste water treatment.

**P.T.O.**



**Module – II**

4. Describe the oxygen deficit taking place in a natural body of water. Write down the mathematical model.

OR

5. a) What is coagulation ? What is the necessity of using coagulants in sedimentation ?  
b) Explain column analysis and where it is used.

**Module – III**

6. a) Explain break through curves and its application.  
b) Write a note on 'Dialysis'.

OR

7. Describe the Kraft method of pulp making with the help of flow diagram.

**(3×20=60 Marks)**

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