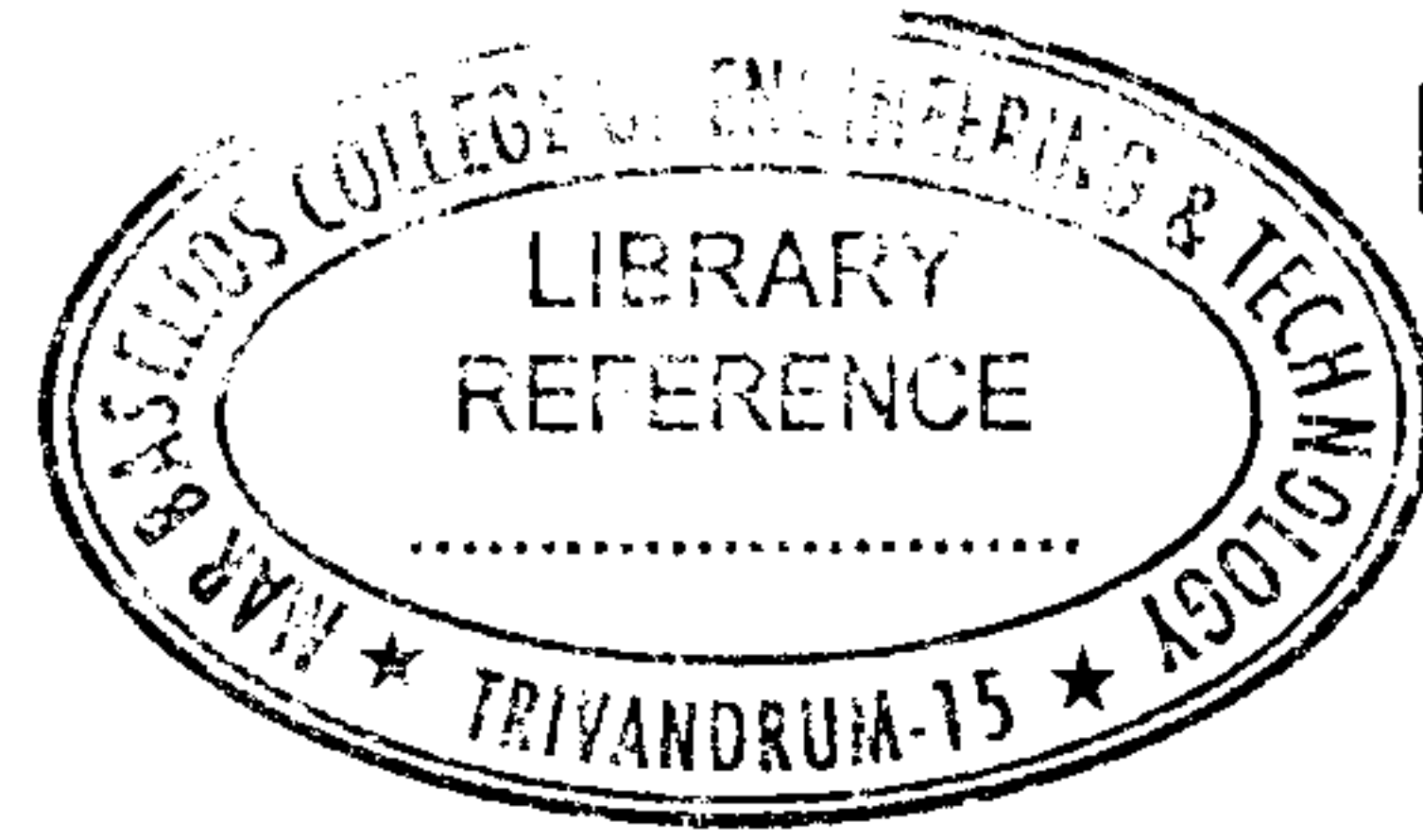




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B – 5250

Reg. No. : .....

Name : .....

**Seventh Semester B.Tech. Degree Examination, February 2017  
(2008 Scheme)**

**08.705.6 (Elective – III) : AIR QUALITY MANAGEMENT (C)**

Time : 3 Hours

Max. Marks : 100

**Instruction : Answer *all* questions.**

**PART – A**

1. Distinguish between primary and secondary air pollutants.
2. Write a note on biosphere and environment. How temperature and pressure vary with altitude ?
3. Explain various causes of air pollution.
4. List out meteorological factors influencing air pollution.
5. What is meant by smog ? Discuss its causes and effects.
6. Explain stable and unstable atmosphere.
7. Explain how do you select stack height.
8. Write notes on bag house filter. **(8×5=40 Marks)**

**PART – B**

**Module – I**

9. a) Describe the general effects of air pollution on human beings and vegetation. **10**
  - b) What is air pollution ? List out the various man made pollutants. **10**
- OR**
10. a) Explain the various industrial processes causing air pollution. **10**
  - b) Explain indoor air pollution. **10**

P.T.O.



**Module – II**

11. a) Compare super adiabatic and sub adiabatic condition. 10  
b) Explain the causes and effects of inversion of atmosphere. 10

OR

12. Describe with the help of diagrams, the various types of plume behaviour. 20

**Module – III**

13. a) Explain the condensation method of control of gaseous effluent. 10  
b) Explain with a neat sketch the working of a cyclonic scrubber. 10

OR

14. Enumerate the various types of equipments used for the control of emission of particulate pollutants. 20
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