

Code No: **R41013****R10****Set No. 1****IV B.Tech I Semester Supplementary Examinations, February/March - 2018****ENVIRONMENTAL ENGINEERING****(Civil Engineering)****Time: 3 hours****Max. Marks: 75**

**Answer any FIVE Questions**  
**All Questions carry equal marks**

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- 1 a) Describe different sources of air pollution. [8]  
b) Discuss the effects of air pollutants on human health in detail. [7]
- 2 a) Explain the applications of ultra filtration with examples. [8]  
b) Describe the fields where the ultra filtration is used [7]
- 3 Enumerate the special treatments required for treating the industrial water and explain any one of them in detail. [15]
- 4 Explain in detail solid waste disposal methods. [15]
- 5 a) Explain the control methods of biomedical wastes. [8]  
b) What are the different types of Hazard waste? Explain. [7]
- 6 What are the main sources of noise pollution? Explain any three control methods with examples. [15]
- 7 Explain Environmental Sanitation Methods for Hostels. [15]
- 8 Explain the following EIA methodologies:  
(a) Ad-hoc methods.  
(b) Matrix methods.  
(c) Network methods [15]