

24518

**B.Tech. 7th Semester (F) Scheme (Civil)**

**Examination, December-2018**

**ENVIRONMENTAL POLLUTION CONTROL**

**Paper- CE-411-F**

*Time allowed : 3 hours]*

*[Maximum marks : 100*

*Note: Attempt any five questions. All questions carry equal marks.*

1. (a) Discuss the problems and issues related to environment and their impact on society. 10  
(b) Explain principles of villages and town planning. 10
2. (a) Explain reuse, recycling and reduction of solid waste materials from refuse. 10  
(b) Explain photochemical Smog and Coal induced Smoke. 10
3. Discuss in detail about land pollution and how it can be controlled. 20
4. (a) Discuss some problems and issues faced in environment management. 10  
(b) Compare aerobic and anaerobic method of composting of municipal solid waste. 10
5. (a) What are the causes of Water Pollution?  
(b) What precautions should be taken to prevent water pollution? 20

6. Explain water borne diseases caused by bacteria, viruses, protozoa. How are the incidents of these diseases prevented? 20
7. (a) Discuss the pollution control laws for radioactive particles and isotopes emission in water and air. 10  
(b) Differentiate the role of CPCB and SPCB in controlling the pollution. 10
8. What are the long term goals recommended by WHO for the following pollutants? 20
- (a)  $\text{SO}_2$   
(b) Suspended particles.  
(c) CO  
(d) Photochemical oxidant.