

Total number of printed pages-3

53 (ES 101) ENEN

2017

**ENVIRONMENTAL AND SAFETY
ENGINEERING**

Paper : ES 101

Full Marks : 100

Time : Three hours

***The figures in the margin indicate
full marks for the questions.***

Answer **any ten** questions.

1. Define criteria pollutant. What are the differences between primary and secondary pollutant? Explain *any three* criteria pollutant. 10
2. How is noise pollution measured? What problems does noise pollution cause? What can you do to reduce noise pollution? 10

Contd.

3. Write a note on global warming and suggest few remedial measures. 10
4. Write about atmospheric composition and different methods of heat transfer. 10
5. Define solid waste? Discuss in brief the various methods of solid waste disposal systems. 10
6. Explain acid rain and its effects on environment. 10
7. Write notes on carbon cycle and nitrogen cycle. 10
8. Discuss in brief the various processes of water treatment with layout of a water treatment plant. 10
9. What are ozone depletion compounds? Discuss the process of ozone layer depletion and controlling measures. 10

10. Write about different control measures for air quality. 10

11. Write short notes on : 10

(a) BOD

(b) COD

(c) Resources

(d) Ecosystem.