

**B.Tech. (AEROSPACE ENGINEERING)
(BTAE)**

Term-End Examination

December, 2012

BAS-021 : ENVIRONMENTAL SCIENCE

Time : 3 hours

Maximum Marks : 70

Note : Answer any ten questions. All questions carry equal marks.

1. Describe roles, responsibilities accountability and authority with respect to implementation of OHSAS 18001 and ISO - 14001. 7
2. What are the main objectives of environmental science ? 7
3. How public awareness can help in conservation of environment ? Explain with the help of suitable examples. 7
4. What are the main causes of water pollution ? How can water pollution be controlled ? 7
5. How solar energy can be converted into other forms of energy ? Explain two such systems with neat diagram. 7

6. Discuss environmental impacts of a river valley projects. 7
 7. What is noise pollution ? Discuss the source and effects of noise pollution. How can noise pollution be controlled ? 7
 8. What do you understand by biosphere reserve ? What is their role ? Describe some biosphere reserves. 7
 9. What do you understand by ecosystem ? Describe the various components of an ecosystem giving suitable example. 7
 10. What are the main causes of solid waste pollution ? Discuss integrated solid waste management. 7
 11. Discuss the causes and effects of Global warming. 7
 12. Write short notes on *any two* of the following :
 - (a) Soil pollution 2x3½=7
 - (b) World Environment Day
 - (c) Zero Population Growth (ZPG)
 - (d) Ozone Hole
 - (e) Tsunamis
 - (f) Sustainable Development
-