

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

Term-End Examination

00490

June, 2017

BAS-021 : ENVIRONMENTAL SCIENCE

Time : 3 hours

Maximum Marks : 70

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

1. Describe the roles, responsibilities, accountability, and authority with respect to implementation of OHAS 18001 and ISO 14001. 7
2. How can public awareness help in conservation of environment ? Explain with the help of suitable examples. 7
3. Discuss different types of ecosystems based on energy resources, with suitable examples. 7
4. How can solar energy be converted into other forms of energy ? Explain two such systems with neat diagrams. 7
5. What is noise pollution ? Discuss the sources and effects of noise pollution. How can noise pollution be controlled ? 7

6. What do you understand by an ecosystem ? Describe the various components of an ecosystem giving suitable examples. 7
7. Discuss the causes and effects of Global Warming. 7
8. Discuss any five values of Biodiversity. 7
9. (a) What do you understand by Air Pollution ? $3\frac{1}{2}$
 (b) What are the causes, effects and control measures of Air Pollution ? $3\frac{1}{2}$
10. Discuss the following :
 (a) Solid Waste Management $3\frac{1}{2}$
 (b) Problems and concerns with resettlement and rehabilitation of affected people due to the construction of dams $3\frac{1}{2}$
11. Discuss the environmental problems associated with mining. 7
12. Write short notes on any **two** of the following : $2 \times 3\frac{1}{2} = 7$
 (a) Rain Water Harvesting
 (b) Acid Rain
 (c) Characteristics of Hazardous Wastes