

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

Term-End Examination

00065 December, 2014

BAS-021 : ENVIRONMENTAL SCIENCE

Time : 3 hours

Maximum Marks : 70

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

1. (a) Discuss the different layers of atmosphere. 3
(b) Discuss the biotic and abiotic components of environment with examples. 4
2. Discuss the different direct and indirect values of biodiversity. 7
3. Explain in detail the effects of emission on environment due to transportation. 7
4. Define sustainable development. Discuss the different measures for sustainable development. 7
5. (a) Write the importance of forests. $3\frac{1}{2}$
(b) Discuss the causes of deforestation. $3\frac{1}{2}$
6. Discuss the major air pollutants with their sources and effects on human health. 7

7. Discuss recycling and utilization of waste in detail, with suitable examples. 7
8. (a) Enlist the major greenhouse gases with their sources. $3\frac{1}{2}$
- (b) Discuss the impact of greenhouse effect on environment. $3\frac{1}{2}$
9. Discuss the role of government and individuals in the environmental protection. 7
10. (a) Define renewable and non-renewable energy resources with examples. $3\frac{1}{2}$
- (b) Explain solar energy with its advantages and limitations. $3\frac{1}{2}$
11. Explain the cause and effect of noise pollution. 7
12. Write short notes on any **two** of the following : $2 \times 3\frac{1}{2} = 7$
- (a) Acid Rain
- (b) World Food Problems
- (c) Water Pollution and Sources
- (d) BOD
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