

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

**Term-End Examination**

**December, 2017**

**BAS-021 : ENVIRONMENTAL SCIENCE**

00182

*Time : 3 hours*

*Maximum Marks : 70*

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**Note :** (i) *Answer any ten questions.*  
(ii) *All questions carry equal marks.*

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1. What are the main causes of water pollution ? 7  
How can water pollution be controlled ?
2. What is environment ? Describe its segments. 7
3. Discuss environmental impacts on a river valley projects. 7
4. What is biosphere reserve ? What is their role ? 7  
Describe some bio-sphere reserves.
5. Discuss the main causes of solid waste pollution. 7  
Describe integrated solid waste management.
6. (a) Explain the difference between renewable and nonrenewable source of energy with suitable examples.  $3\frac{1}{2}+3\frac{1}{2}$   
(b) Describe Geo Thermal energy with the help of example.

7. (a) Explain in brief Grass Land Eco system.  $3\frac{1}{2}+3\frac{1}{2}$   
(b) Describe in brief Desert Eco system.
8. What is an eco system ? What are the structural and functional aspects of eco system ? 7
9. Describe producers, consumers, decomposers and energy flow in eco system. 7
10. What is Marine Pollution ? Discuss the causes and remedies taken to control marine pollution. 7
11. Discuss the problems associated with consumerism and waste products. 7
12. Write short notes on **any two** of following :  $2 \times 3\frac{1}{2} = 7$
- (a) World Environmental Day
  - (b) Ozone Layer Depletion
  - (c) Soil Pollution
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