

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

00904

Term-End Examination

June, 2014

BAS-021 : ENVIRONMENTAL SCIENCE

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 is environment ? Discuss its segments. 2+5
2. Discuss different types of ecosystem based on energy resources with examples. 7
3. Define the term "biodiversity". Discuss the importance of biodiversity in detail. 2+5
4. Explain in detail the effects of industry and mining on environment. 4+3
5. What is sustainable development ? Discuss the challenges of sustainable development. 2+5
6. (a) Discuss the types of Natural Resources with examples in detail. 5
(b) List the facts on water availability in global scenario. 2
7. What are the sources of air pollution ? Write a detailed note on "Indoor Air pollution" . 2+5

8. (a) What are the health hazards of water pollution ? 4
(b) What is 'self purification' of Natural Rivers ? 3
9. (a) What are the sources of solid waste ? 3
(b) Enumerate the methods of solid waste disposal. 3
(c) What is recycling of solid waste ? 1
10. Discuss in detailed the formation and removal of ozone layer with chemical equation. 7
11. Explain the causes and effects of soil pollution in detail. 7
12. Write short notes on **any two** of the following :
(a) Causes of depletion of ozone layer. $2 \times 3\frac{1}{2} = 7$
(b) Role of Information Technology in environmental management.
(c) Catalytic converters for motor vehicle exhaust.
(d) Earth quakes.
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