

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

Term-End Examination

00378

June, 2016

BAS-021 : ENVIRONMENTAL SCIENCE

Time : 3 hours

Maximum Marks : 70

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

1. Discuss different treatments given to hazardous waste before final disposal. Why are such treatments necessary ? Give the names of such disposal methods which do not require pre-treatments. 7

2. Describe the salient benefits of management review in ISO-14001 of Environment Management System for the sustainable development of an organisation. 7

3. Discuss global nuclear energy scenario. Explain their environmental impact. 7

4. What do you understand by productivity of an ecosystem ? Discuss its types. 7

5. What is Biochemical Oxygen Demand (BOD) ?
How is it related to water quality ? 7
 6. What is the Greenhouse effect ? What is its
importance to global climate ? 7
 7. Explain the multi-disciplinary nature of
environmental science related studies. 7
 8. How can public awareness help in conservation
of the environment ? Explain with the help of
suitable examples. 7
 9. What do you understand by Geothermal energy ?
What are the prospects of Geothermal energy for
future energy generation ? 7
 10. Describe energy flow in ecosystems with a neat
sketch. 7
 11. Write a comprehensive note on hazardous waste
monitoring and disposal. 7
 12. Write short notes on any **two** of the
following : $2 \times 3 \frac{1}{2} = 7$
 - (a) Industrial Hygiene
 - (b) Acid Rain
 - (c) Environmental Degradation
 - (d) Pollution due to Jet Engine
 - (e) Shifting Cultivation
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