

00499

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

Term-End Examination

June, 2013

BAS-021 : ENVIRONMENTAL SCIENCE

Time : 3 hours

Maximum Marks : 70

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- Note : (i) Answer **any seven (7)** questions.
(ii) All questions carry **equal** marks.*
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1. Write about Environmental Education with reference to the following :
 - (a) Definition and scope 5
 - (b) Importance 5

2.
 - (a) Explain the difference between renewable and non-renewable sources of energy. 5
 - (b) What do you understand by Geothermal energy ? 5

3.
 - (a) What is an ecosystem ? What are the structural and functional aspects of ecosystem ? 5
 - (b) Describe producers, consumers, decomposers and energy flow in ecosystem. 5

4.	(a) Explain in brief Grassland ecosystem.	5
	(b) Explain in brief Desert Ecosystem.	5
5.	Explain any five (5) values of Biodiversity.	10
6.	What is Marine Pollution ? Discuss the causes and remedies of Marine Pollution.	10
7.	(a) What do you understand by Air Pollution ?	4
	(b) What are the causes, effects and control measures of Air Pollution ?	6
8.	Write short notes on :	
	(a) Consumerism and waste products	4
	(b) 3 R Principle	3
	(c) Wasteland reclamation	3
9.	Write short notes on :	
	(a) Population Explosion	5
	(b) Environment Impact Assessment	5
10.	Explain in brief any five (5) elements of mitigation strategy in disaster management.	10