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Code No: 113AF

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B.Tech II Year I Semester Examinations, March - 2017

ENVIRONMENTAL STUDIES

(Common to ME, AE, MIE, AGE, MS)	NT)							
Time: 3 Hours Max. M.								
1 mc. 5 110u15								
Note: This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions in Part A. Part B consists of 5 Units. Answer any one full question from each unit. Each question carries 10 marks and may have a, b, c as sub questions.								
DADT. A								
PART- A 1.a) What is meant by the term 'Pyramid of numbers' in ecology b) Why are our energy needs growing?	[편] [설] gy?	(25 Marks) [2] [3] [2]						
c) What is a biodiversity hotspot?		[3]						
d) What is Kyoto protocol? e)Write about the differences between consumerism and craft): Pyramids of energy are always upright' Why? g) What are the problems associated with over utilization	**** * * * * * * * * * * * * * * * * *	[2] [3]						
regions?		[2]						
h) What is ecosystem diversity?		[3]						
i) What is the purpose of waste water primary treatment?		[2]						
j). What are the different disposal methods allowed for MSW according to MSW rules?								
PART-B								
		(50 Marks)						
2.a) What is the difference between bioaccumulation and bion	nagnifications?	[5.5]						
b) Describe about the carbon cycle.		[5+5]						
3.a) Compare the pyramid of biomass between a tree ecosystem	m and a pond ecos	system:						
b) Why are the biogeochemical cycles important?		[5+5]						
4.a) Why is forest cover very important and what are its uses? b) List the problems associated with deforestation. OR OR OR	**************************************	[5+5]						
5.a) Give the salient features of National Biodiversity Act.	**************************************	* * * * * * * * * * * * * * * * * * *						
b) Discuss about ex situ and insitu strategies for biodiversity	conservation.	[5+5]						
6.a) Discuss about the threats to the biodiversity. What are the consumptive uses of biodiversity?		[5+5]						
b) What are the consumptive uses of biodiversity? OR OR	****	*** ***						
7.a) How does salt affect soils forms?b) What are the places identified as potential wind energy has	arvecting sites in I	ndia? [5+5]						
b) What are the places identified as potential wind energy ha	a resume sites in i	11010. [0.0]						

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*		v does deforestation does the low carbo		fication?		[5+5]	
* * * * * * * * * * * * * * * * * * *	10.a) How b) Men	v can we acquire thation the MSW ma	ne baseline data t nagement and ha	for carrying out I andling rules. OR	EIA?	[5+5]	O K M O M O M O M O M O M O M O M O M O
	•	ntion the salient feater the concepts of g				[5+5]	
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