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	Code No. 124CW JAWAHARLAL NEHRU TEU INOLOGICAL UNIVERSITY HYDERABAD B.Tech II Year II Semester Examinations, May - 2017 ENVIRONMENTAL STUDIES (Common to CE, ECE, CSE, EIE, IT, MCT, ETM, MMT, PTM, CEE, AME) Time: 3 Hours R15 R15 R15 Awards: 75	
	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.	
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	1.a) Write the significance of biogeochemical cycle in pollution abatement. [2] b) Differentiate between terrestrial ecosystem and aquatic ecosystem. [3] c) What are the environmental effects of mineral extraction? [2] d) Summarize the major reasons for deforestation. List the ill effects of deforestation. e) What is meant by species diversity? [3] [4] b) Write the methodology involved in ex-situ and in-situ conservation of a species.	
AĞ.	g) Identify the sources of noise pollution in rural areas. List out the health hazards of noise pollution. [2] h) What are the ambient air quality standards prescribed by central pollution control board in India? [3] How crazy consumerism affects the environment? [3] [3] [3] [3] [3] [3] [3] [3	
	PART-B	
	2. Describe the components that make up the structural aspects and functional aspects of an ecosystem. [10] Explain the mechanism involved in the energy flow between various components of an ecosystem. [10]	
A G 5	Describe the measures to be taken for the better management of available drinking water resources. b) Discuss the environmental impacts of building the water reservoirs and dams. [5+5] Explain the sources, commercial applications and limitations of biomass energy. [10]	/
Д Д 7.	Enumerate the reasons and need for; genetic diversity and ecosystem diversity. How the loss of biodiversity contributes to global climatic changes? [7+3] OR Explain the ten major Biogeographic zones situated in India. With examples, discuss the social values of biodiversity. [7+3]	



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Describe the mechanism of polluting the soil by: [10] excess use of fertilizer, pesticides and excess salts. Explain the sources and ill effects of ozone layer depletion. Suggest few methods 9. to reduce the effect due to depleting ozone layer. [10] 10.a) Describe the sources and environmental impacts of municipal solid waste. What are hazardous solid wastes? Give examples. [7+3]ÓR Explain the Acharacteristics, Astructure, stages and techniques—used for Environmental Impact Assessment (EIA). [10] ---00000--din d