www.FirstRanker.com www.FirstRanker.com

A(j)	AG AG AG AG AG	
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD B. Tech III Year II Semester Examinations, April - 2018		
	ENVIRONMENTAL STUDIES (Electrical and Electronics Engineering) e: 3 hours This question paper contains two parts A and B. Part A is compulsory which carries 25 marks. Answer all questions in Part A. I consists of 5 Units. Answer any one full question from each unit. Each question to marks and may have a, b, c as sub questions.	Part B
AG	\triangle	(arks)
1.a) b) c) d) e) f) g) h) i)	Define ecosystem. What is carrying capacity of an ecosystem? List out living resources in terrestrial ecosystem. Write about mining resources of Telangana. What is a biosphere reserve? What are primary pollutants? List out secondary pollutants and explain production of any one of them. What is ecological footprint? Explain green building concept.	[2] [3] [2] [3] [2] [3] [2] [3] [2] [3]
<u></u>	PART - B Write a detailed note on any one biogeochemical cycle of your choice. OR	
3.	Explain flow of energy in an ecosystem through food chain and food web.	[10]
4.	Explain how overutilization is threatening water security. Outline measure mitigating it. Explain how renewable energy sources will help in meeting the ever growing eneeds.	
6.	Give a detailed account of value of biodiversity. OR	[10]
7.a) b)	Give a note on insitu conservation of biodiversity. Write a note on national biodiversity act. How does it help in conservation and bersharing.	nefit \ [5+5] \ \ \
8. There is evergrowing air pollution in the cities. Explain measures for its control. [10] OR		
9.	Give an overview of e waste and its management.	[10]
	What is EIA? How does it help in sustainable development? Write about ecological footprint and low carbon life style. ooOoo	