

Code No: 124CW**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B.Tech II Year II Semester Examinations, December - 2017****ENVIRONMENTAL STUDIES****(Common to CE, ECE, CSE, EIE, IT, MCT, MMT, ETM, AME, PTM, CEE)****Time: 3 Hours****Max. Marks: 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.

PART- A**(25 Marks)**

- 1.a) Classify the characteristics of an ecosystem. [2]
- b) Differentiate Bioaccumulation and Biomagnification. [3]
- c) What is Biomass energy? [2]
- d) Write about the types of Mining. [3]
- e) What is Red Data Book? [2]
- f) Define Hotspot and write about Hotspots in India. [3]
- g) What is Bioremediation? [2]
- h) Write about Ozone depleting substances. [3]
- i) What is Crazy consumerism? [2]
- j) What are the positive and negative impacts of urban sprawl? [3]

PART-B**(50 Marks)**

2. Explain any three nutrient cycles with neat sketch. [10]
- OR**
3. Describe laws of energy and energy flow models with neat sketch. [10]
 4. Explain the impacts of Mining on Environment and also write soil conservation methods. [10]
- OR**
5. What are the causes and agents responsible for soil erosion and explain the impacts related to surface and ground water? [10]
 6. What are the levels of Biodiversity and explain the conservation methods of Biodiversity? [10]
- OR**
7. Explain the uses of Biodiversity along with threats to the biodiversity. [10]
 8. Explain the air and noise pollution control methods. [10]
- OR**
9. Write the composition and characteristics of e-waste and its management. [10]
 10. Briefly explain the Air, Water and Environmental protection Acts. [10]
- OR**
11. What is EIA structure and explain Environment Management Plan? [10]

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