Code No: 126A

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B.Tech III Year II Semester Examinations, May - 2017
ENVIRONMENTAL STUDIES
(Electrical and Electronics Engineering)

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)	Write about ecosystem value and services.	[2]
b)	What is Biomagnification and write its effects on living organisms?	[3]
c)	What are the impacts related to Ground water depletion?	[2]
d)	Describe the impacts at upstream and down stream due to big dams.	[3]
e)	What is Hot spot and mention Indian Hot spots?	[2]
f)	List out at least 3 endemic and 3 endangered species of India.	[3]
g)	Write about the Earth summit and Kyoto protocol.	[2]
h)	What are the control methods of Noise pollution?	[3]
i)	What is Ecological foot print?	[2]
j)	Describe Life cycle assessment.	[3]

PART - B (50 Marks)

2. Explain 3 biogeochemical cycles with neat sketch. [10]

OR

3. Describe food chain, food web and ecological pyramids with examples. [10]

4. List and explain the methods of mining and also impacts of mining. [10]

OR

5.a) Describe the sources and causes of soil erosion.
  b) Explain the soil conservation methods. [5+5]

6. Briefly describe the levels of Biodiversity and uses of Biodiversity. [10]

OR

7. Write about threats of Biodiversity and explain the conservation methods of Biodiversity. [10]

8. Explain the control methods of particulate and gaseous pollutants. [10]

OR

9. Describe the primary, secondary and tertiary treatment methods to control water pollution. [10]

10.a) Write down salient features of air act and Wild life acts.
  b) Write about Biomedical waste management. [5+5]

OR

11. How can we achieve sustainable management? Explain along with a flow chart. [10]

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