

BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)

CLASS: MTECH/MCA
BRANCH: CS/MCA

SEMESTER : I
SESSION : MO/13

SUBJECT: MSH1111 ENVIRONMENTAL MANAGEMENT

TIME: 3.00 HOURS

FULL MARKS: 60

INSTRUCTIONS:

1. The question paper contains 7 questions each of 12 marks and total 84 marks.
 2. Candidates may attempt any 5 questions maximum of 60 marks.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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- Q1. (a) What is the role and importance of Environmental Management in the modern world? [6]
(b) Why we need natural resources? Give an account of problems with forest and mineral resources. [6]
- Q2. (a) Give the definition of ecosystem. How energy and nutrients flow in an ecosystem? Answer with a flow chart. [6]
(b) What are the main threats to biodiversity? What are the in-situ and ex-situ method for conservation of biodiversity? [6]
- Q3. (a) Write the main causes for soil and marine pollution? [6]
(b) What are the major control measures for air and water pollution? [6]
- Q4. (a) What is solid waste? Write four types of solid waste and their sources. [6]
(b) Write a note on different types of waste disposal system in urban, industrial, mine areas. [6]
- Q5. (a) What is global warming? How it is related with climate change? [6]
(b) What are the main Environmental Protection Acts in India? [6]
- Q6. (a) What is Environmental Impact Analysis? Answer with a flow chart showing step by step EIA. [6]
(b) Write the main parameters for preparing an Environmental Management Plan for Steel Plants. [6]
- Q7. (a) Write a note on central and state pollution control boards. [6]
(b) How will you establish the correlation of environmental variables? [6]

*****16.12.2013M*****