

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(MID SEMESTER EXAMINATION)**

CLASS: IMSC
BRANCH: PHY/MATH/FT

SEMESTER: II
SESSION: SP/2019

SUBJECT: CE101 ENVIRONMENTAL SCIENCE

TIME: 2 HOURS

FULL MARKS: 25

INSTRUCTIONS:

1. The total marks of the questions are 25.
 2. Candidates may attempt for all 25 marks.
 3. Before attempting the question paper, be sure that you have got the correct question paper.
 4. The missing data, if any, may be assumed suitably.
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- Q1 (a) Explain the basic concept of ecosystem bringing out the interaction between the non-living and living components. [2]
Q1 (b) Describe Fresh water lake ecosystem. [3]
- Q2 (a) Classify fate of environmental pollutants in the environment. [2]
Q2 (b) Farmers are using pesticides in their fields to save their crops from pests. Examine the fate of non-degradable pesticides in the environment once they enter into the food chain. [3]
- Q3 (a) Define Criteria air pollutants. [2]
Q3 (b) Discuss briefly the importance of criteria air pollutants in the air pollution. [3]
- Q4 (a) Describe Hierarchy of air pollution control methods. [2]
Q4 (b) Summarize electrostatic precipitator uses in air pollution control. [3]
- Q5 (a) Describe Sources of water Pollution. [2]
Q5 (b) A community is consuming river water which is receiving sewage and industrial effluent at upstream side. Examine the possible consequences. [3]

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