

Paper Code: MTEV011

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M. TECH.
FIRST SEMESTER THEORY EXAMINATION, 2016-2017
EARTH AND ENVIRONMENT

Time: 3Hours

Max. Mark: 70

Note- Attempt all Questions.

1. Attempt any two parts of the following:- [7x2=14]
 - (a) What are the anthropogenic sources of soil pollution? Mention health problems due to the use of agro-chemical.
 - (b) Differentiate between traditional and sustainability indicators on the basis of three different segments of community?
 - (c) What is Kyoto protocol and explain its role in stabilization of GHG concentration.

2. Attempt any two parts of the following:- [7x2=14]
 - (a) Discuss the concept of biodiversity at three hierarchical levels.
 - (b) Write short note on: (i) Great Pacific garbage patch, (ii) Chernobyl Disaster.
 - (c) Explain: (i) socio-economic impact of mining, (ii) impact of mining on soil and land use pattern.

3. Attempt any two parts of the following:- [7x2=14]
 - (a) Write short notes on: (i) El Nino phenomenon, (ii) Effects of ionizing radiation.
 - (b) Name the mega diversity zone in India and discuss its major components.
 - (c) Discuss the sources of nuclear waste. What are the three different categories in which nuclear waste are classified? State the precautions to be taken after the disposal of nuclear waste.

4. Attempt any two parts of the following:- [7x2=14]
 - (a) What is ecological succession? Explain the causes and types of succession.
 - (b) Classify E-waste based on its components. Elaborate the appropriate treatment for E-Waste.
 - (c) What is watershed management? Discuss the objectives and practices of watershed management.

5. Attempt any two parts of the following:- [7x2=14]
 - (a) Explain the scenarios that would develop due to global warming?
 - (b) Write an account on national forest policy 1988.
 - (c) Ozone is one of the pollutants in troposphere. Then why are we concerned about ozone depletion?