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M. TECH.
(SEM-II) THEORY EXAMINATION 2017-18
EARTH AND ENVIRONMENT

Time: 3 Hours**Total Marks: 70****Note:** Attempt all Sections. If require any missing data; then choose suitably.**SECTION A****1. Attempt all questions in brief. 2 x 7 = 14**

- a. Define environment.
- b. Enlist the various spheres of environment.
- c. What do mean by carrying capacity of environment?
- d. What is green house effect?
- e. Highlight the negative effects of urbanization on the environment.
- f. What are hot spots of biodiversity?
- g. Explain various types of pollutants with examples.

SECTION B**2. Attempt any three of the following: 7 x 3 = 21**

- a. Give the classification of atmosphere according to temperature variation with neat diagram.
- b. What are the causes of environmental deterioration? Discuss the requirements of a non-polluted environment.
- c. Discuss the major sources and constituent materials of E-waste in detail.
- d. What is biodiversity? What are the various conservation methods for conservation of biodiversity?
- e. Explain the meaning of equitable use of resources for sustainable life style. Discuss the challenges to sustainable development.

SECTION C**3. Attempt any one part of the following: 7 x 1=7**

- (a) What is deforestation? Explain various causes and effects of deforestation on environment.
- (b) Discuss the environmental effects of extracting and using mineral resources.

4. Attempt any one part of the following: 7x 1= 7

- (a) What is land pollution? What are the sources and effects of land pollution? Explain how to control land pollution.
- (b) What should be the 'guidelines for excellence' for environmental conservation?

5. Attempt any one part of the following: 7 x 1= 7

- (a) Describe the concept of sustainable development with its objectives.
- (b) Write short note on;
 - a) Nuclear energy
 - b) Solar energy

6. Attempt any one part of the following: 7 x 1= 7

- (a) Discuss the role of government and legal aspect in environmental protection.
- (b) What is ozone hole? What are the causes of ozone hole formation? Write the effects of depletion of ozone layer on environment.

7. Attempt any one part of the following: 7 x 1= 7

- (a) What is green house effect? What are various gases of green house? Also discuss various impact of green house effect on environment.
- (b) Explain various types of biodiversity on detail.