UPTU Notes

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B. TECH.

(SEM-VI) THEORY EXAMINATION 2017-18

EARTH AND ENVIRONMENT

Time: 3 Hours *Total Marks: 100*

Note: Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. Attempt *all* questions in brief. 2 x10 = 20

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. Distinguish organic farming from modern agriculture.
f. Highlight the negative effects of urbanization on the environment.
g. What are the impacts caused by fisheries on the ecosystem?
h. What are hot spots of biodiversity?
i. Explain various types of pollutants with examples.
j. Elaborate Plastic waste with its ill effects.

SECTION B

2. Attempt any *three* of the following: 10 x 3 = 10

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: 10 x 1=10

(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: 10x 1= 10

(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?

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5. Attempt any *one* part of the following: 10 x 1= 10

(a) Describe the concept of sustainable development with its objectives.

(b) Write short note on;

I. Nuclear energy

II. Solar energy

6. Attempt any *one* part of the following: 10 x 1= 10

(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: 10 x 1= 10

(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.

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