

B TECH
(SEM-VI) THEORY EXAMINATION 2018-19
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 x 10 = 20**
- a. Define environment.
 - b. Enlist the various spheres of environment.
 - c. What do mean by carrying capacity of environment?
 - d. What are various gases of green house?
 - 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 = 30**
- 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: 10 x 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?
- 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? Also discuss various impact of green house effect on environment.
 - (b) Explain various types of biodiversity on detail.