

No. of Printed Pages : 03

Roll No.

BB-602

M. Tech. EXAMINATION, May 2018

(Second Semester)

(B. Scheme) (Main & Re-appear)

(ESEM)

ESEM104B

ENERGY, ECOLOGY AND ENVIRONMENT

Time : 3 Hours]

[Maximum Marks : 75

Before answering the question-paper candidates should ensure that they have been supplied to correct and complete question-paper. No complaint, in this regard, will be entertained after the examination.

Note : Attempt any *Five* out of eight questions selecting at least *one* question from each Unit. Draw neat and clean sketch wherever required.

(3-19/12)M-BB-602

P.T.O.

Unit I

1. (a) Discuss the origin of earth. **15**
(b) Discuss sun as source of energy.
2. (a) What do you understand by solar spectrum ? Discuss in detail. **15**
(b) What are the environmental effects of coal and petrol usage ?

Unit II

3. Write short notes on the following : **15**
(a) Ecological Succession
(b) National Forest Policy.
4. Define Deforestation. What are the factor responsible for deforestation and also discuss the effects of deforestation ? **15**

Unit III

5. Discuss the following : **15**
(a) Food chain and Food web
(b) Ecological invasion
(c) Biogeochemical cycles.

6. What do you understand by degradation of ecosystem ? Discuss the methods of restoration of degraded land. **15**

Unit IV

7. (a) What are the microclimatic effects of pollution ? Discuss in detail. **15**
(b) Discuss the sources, classification and effects of thermal pollution.
8. (a) Discuss the energy resources and energy use pattern in different regions of the world. **15**
(b) Discuss air pollution abatement methods.