

No. of Printed Pages : 03

Roll No.

AA845

M. Sc. EXAMINATION, May 2019

(First Semester)

(B Scheme) (Re-appear)

ENVIRONMENTAL SCIENCE

ES109

Energy Resources

Time : 3 Hours]

[Maximum Marks : 100

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 *Five* questions in all, selecting at least *one* question from each Unit. All questions carry equal marks. Use of Calculator is allowed.

(1-06/24) M-AA845

P.T.O.

Unit I

1. Enlist importance of Solar energy. **20**
2. Discuss spectral characteristics of sun.
Also, discuss challenges in harnessing solar energy. **20**

Unit II

3. Explain ocean thermal energy conversion, briefly with neat sketches. **20**
4. "Petroleum and natural gas : A necessary evil"
Discuss this statement. **20**

Unit III

5. Write short notes of the following : **20**
 - (a) Fusion and fission energy
 - (b) Anaerobic digestion.
6. Enumerate important characteristics of
Geothermal Energy and Wind Energy. **20**

Unit IV

7. Discuss important aspects of Air pollution and CO₂ emissions with suitable examples. **20**
8. Discuss pro and cons of impacts of large scale exploitation of Solar and Hydro energy. **20**