

Total Number of pages 1

Roll No.

EIGHTH SEMESTER

B.Tech. (ENE)

MID SEMESTER EXAMINATION

(MARCH- 2019)

ENE-416 NON – CONVENTIONAL ENERGY SYSTEMS

Time : 1 Hour 30

Max. Marks: 25

Note : Answer all the questions.
Assume suitable missing data, if any.

- Q 1 Answer all the following questions:
- (a) Write a note on “Global Energy Crisis” 2
 - (b) Differentiate between Conventional & Non-Conventional energy sources. 2
 - (c) Explain the “Environmental aspects of biomass energy”. 2
 - (d) Describe the Main considerations in selection a site for wind generators. 2
 - (e) Write the advantage of solar energy. 2
- Q 2 Answer all the following questions:
- (a) Explain the techniques of collection of solar energy 4
 - (b) Differentiate between solar photo-thermal and photovoltaic system. 3.5
- Q 3 Answer all the following questions:
- (a) Describe with a neat sketch the working of a wind energy system (WECS) with main components. 4.5
 - (b) Explain any one type of biogas plant 3

-END-