



Date: 14-08-2018

FACULTY OF ENGINEERING & TECHNOLOGY, SRM IST

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

CYCLE TEST-I

Sub Code : 15EE251E

Sub Name : Sustainable Energy

Part -A - 4 Mark Question (3 * 4=12 Marks)

1. Calculate Hour angle for latitude 32 degree, Day of the year March 30.
2. List out the main components in solar street lighting system.
3. Write any two applications of solar and explain briefly?
4. Define Latitude of Location.

Part -B- Write answer for any one question (1*13=13 Marks)

5. Explain about the solar photovoltaic power plant with neat diagram.

OR

6. With the help of neat sketches, explain both active and passive types of solar water heating system using solar collectors.