**Assignment 3 (Module 3)**

**2 Marks**

1. What is harp type flat plate collector?
2. What is evacuated type collector?
3. What is the idea behind solar cooling?
4. Give any two examples of low temperature solar heat collectors.
5. Mention any two concentrated solar power technologies that use superheated Rankine cycle.
6. What is solar thermal energy?
7. What is sensible cooling and sensible heating?

**5 Marks**

1. Explain the working principle of solar dryer?
2. Describe the applications of solar ponds?
3. Discuss the working principle and treatment efficiency of SOlar water DIS infection (SODIS).
4. Explain different types of flat plate collectors.
5. Discuss about: i) Parabolic Trough, and ii) Fresnel Reflector.
6. What are the different types of Flat plate collectors?
7. Give the classification of solar ponds?
8. Explain the classification of solar thermal energy devices?
9. What are the advantages and limitations of solar cookers?
10. Differentiate between Solar Thermal energy and Solar PV Energy Conversion?
11. Elaborate the evolution of solar thermal energy?.