

[illegible]

Max. Marks : 60

SECTION-B

2. What is meant by solar energy storage systems? Give their characteristics and discuss about their capacity.
3. With a neat sketch explain the working of horizontal axis wind mill.
4. Discuss various precautions to be observed during operation of a geothermal power plant. State requirements for economic viability of such plant.
5. Discuss the concept of bio-mass conversion. Briefly discuss the working of biogas generation plant.
6. Discuss the applications and economic aspects of fuel cells.

SECTION-C

7. Discuss the applications of solar energy in water, space and process heating.
8. Write a short note on :
 - a. Open cycle MHD system.
 - b. Site selection criteria for wind energy conversion.
9.
 - a. What is the basic difference between Thermo-electric and Thermo-ionic conversion system? Explain the working of thermoelectric generator.
 - b. Explain the working of a tidal power plant.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.