

1st internal Examination
Renewable Energy Sources
6th Semester, Diploma
Electrical Energy

Full marks = 20

1. Answer all the questions.
 - (a) what is zenith angle?
 - (b) what is renewable ~~energy source~~ and non-renewable energy sources?
 - (c) why solar power is not widely used?
 - (d) what is solar constant?
 - (e) what are the various types of biogas digester plants?
2. Write operating principle of solar photo voltaic system.
3. Write notes on horizontal axis wind turbine generator.

1st internal Examination

2nd internal Examination
Renewable Energy sources

6th Semester, Diploma
Electrical Engineering

Full marks = 25

1. Answer all the questions

- (a) What are the biomass resources?
- (b) What are the various biomass conversion technologies?
- (c) What are the major advantages of tidal power?
- (d) From where Geothermal field is available?
- (e) What is biogas?

2. Write notes on geothermal generation.

3. Write notes on tidal energy.