

Course Title: Renewable Energy

Max. Marks:60 Min. Marks:24

All questions are compulsory.

Section A: Short answer type questions.

1. What is renewable energy? Discuss its importance in the present world. (5 marks)
2. How do we utilise solar energy in our day to day lives. Give atleast three examples. (5 marks)
3. What are windmills. Explain the criteria for setting up of a windmill for energy generation. (5 marks)
4. Describe fuel cells. (5 marks)

Section B : Long answer type questions.

5. Discuss renewable energy scenario in India with special reference to the union territory of Jammu and Kashmir. (10 marks)
6. Write a detailed note on different techniques of capturing hydropower energy. (10 marks)
7. What is Biomass? How can it be used for harnessing energy. Mention it's merits and demerits if any. (10 marks)
8. Explain the structure and working of geothermal power plant with the help of a well labelled diagram. (10 marks)