

Katwa College

B.Sc. Semester – I (Honours) Internal Examination – 2023

Subject – Physics

Paper SEC -I (Renewable energy)

Time –

Full Marks: 10

Answer any five questions:

2x5=10

1. What do you mean by renewable energy and conventional energy? Explain with examples.
2. What are solar ponds? There are how many types of solar ponds?
3. What do you mean by solar thermal collectors? Write down the type of solar thermal collector.
4. What is Bio-mass? Write down the name of different Bio-mass conversion technologies.
5. What do you mean by wind energy harvesting? On which factors total wind energy depends and how?
6. What do you mean by photovoltaic effect? What is solar – cell?
7. How hydro energy is converted into electric energy?
8. What is piezo-electric effect? Name two materials that exhibit piezo-electric effect.
9. What do you mean by carbon capture? Write down the names of carbon capturing technologies.