

**Katwa College**

**B.Sc. Semester – I (Honours) Internal Examination – 2024**

**Subject – Physics**

**Paper SEC -I (Renewable energy) NEP**

**Time –**

**Full Marks: 10**

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Answer any five questions:

2x5=10

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