

Fundamental of Renewable Energy Techniques

Assignment No: 01

Due Date of Submission: 15 Feb 2017

Sub Code: - EY-115

Instructions:

- Write the responses to the assignment in your own handwriting.
- Submit the responses to your HOD with in the due date.
- Write your Name, Programme & Enrolment No. Clearly at the top of the page.

Question: 01

- a) You are aware of solar energy. Describe the basic principles of solar energy.
- b) You know objectives of solar water heaters. Discuss advantages and disadvantages of solar water heaters.

Question: 02

- a) Discuss beam, diffuse and global radiation.
- b) Discuss heat transfer in a solar cooker.

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Assignment No: 02

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Question: 01

- a) Power ratings in solar cooker is a new concept. Describe it.
- b) Try to explain the functioning of a Photovoltaic cell.

Question: 02

- a) Discuss biogas production and its characteristics.
- b) You know that biomass could be converted in to producer gas. Discuss the process.