

Roll No.

Total No. of Pages : 02

Total No. of Questions : 09

B.Sc. Agriculture (2014 & Onwards)
(Sem.-6)

RENEWABLE ENERGY

Subject Code : BSAG-608

Paper ID : [74351]

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A

Q1. Write short notes on :

- a) Pyrolysis.
- b) Bio-gasifier.
- c) Main applications of solar pond.
- d) Principle of gasification.
- e) Three types of solar energy collectors.
- f) Two applications of solar energy.
- g) Solar constant.
- h) Classification of the wind mills.
- i) Two important wind turbine generator installations in India.
- j) Bio-fuel and give three examples.

SECTION-B

- Q2. Write a short note on agricultural wastes.
- Q3. What are briquettes and give its uses?
- Q4. Briefly explain about producer gas and its utilization.
- Q5. Enlist different types of biogas plants and discuss any one.
- Q6. Write a short note on wind energy and application of wind mills.

SECTION-C

- Q7. What are the main components of a flat plate solar collector and explain the function of each?
- Q8. Discuss the various obstacles to the implementation of renewable energy sources.
- Q9. What are the advantages and limitations of renewable energy sources?