

- Q.6 Hydropower plants are located in
 a) Hilly Areas b) Desert area
 c) Plains d) None of these
- Q.7 Geothermal energy is the thermal energy present
 a) On the surface of the earth
 b) on the surface of ocean
 c) In the interior of earth
 d) None of the above
- Q.8 Which is not a constituent of biogas?
 a) Hydrogen sulphide b) Carbon dioxide
 c) Methane d) Argon
- Q.9 Which renewable source generate maximum power in india
 a) Wind b) Biomass
 c) Geothermal d) Solar
- Q.10 The gas holder used in floating gas type biogas plant is :
 a) Spherical b) Inverted drum
 c) Conical d) None of these

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Define Farm Residue.
 Q.12 Define Digested slurry.

- Q.13 Define anaerobic digestion.
 Q.14 Define Feed stock.
 Q.15 Name two energy conservation devices.
 Q.16 What is a solar cell?
 Q.17 Give the importance of solar energy?
 Q.18 Give the examples of non conventional energy sources.
 Q.19 Define Green house effect.
 Q.20 List two govt. departments involved in promotion of renewable energy sources.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 List different appliances of biogas plants.
 Q.22 What is the significance of solar energy?
 Q.23 Write a short note on farm residue management.
 Q.24 Describe the working of Evacuated tube type solar water heater.
 Q.25 List the raw materials available for biogas production.
 Q.26 What are the applications of SPV module?
 Q.27 List various applications of solar energy.
 Q.28 Compare the flat plate type and concentrating type collector.
 Q.29 Explain the criteria for site selection of wind mill.