

Question Bank (G-scheme)

Name of subject: Renewable Energy Sources

Unit Test: II

Subject code: 17611

Course: ME6G

- Q. 1. Describe the construction of solar cell.
- Q.2. Describe solar PV applications solar pumping system.
- Q.3. Explain working principle of hydro power plant.
- Q.4. Which are factors consider for site selection in hydro power plant.
- Q.5. Give the classification of hydro power plants.
- Q.6. Write short notes on francis turbine.
- Q.7. Write short notes on Kaplan turbine.
- Q.8. Write classification of wind mills.
- Q.9. Explain vertical axis wind turbine.
- Q.10. Write short note on horizontal axis propeller type using single blade.
- Q.11. Write short note on horizontal axis wind mill using two aerodynamic blade.
- Q.12. Write a short note on savonius rotor.
- Q.13. Write a short note on danieus type vertical turbine.
- Q.14. Explain con concentrating solar collectors.
- Q.15. State the advantages and disadvantages of wind energy.
- Q.16. State various bio energy sources.
- Q.17. Explain energy conversion from biomass.
- Q.18. Explain fixed dome janta type biogas plant.
- Q.19. Write short note on bio chemical conversion.
- Q20. Explain in short Gasification and pyrolysis.
- Q.21. What is need of energy audit.

Q.22. Explain the phases of energy audit.

Q.23. State the different instrument used for electrical measurement.