QUESTION BANK

1. Explain the types energy sources with examples.
2. Explain the need for energy alternatives.
3. Explain briefly India’s production and reserves of commercial energy sources.
4. Explain solar energy. What are the advantages and disadvantages?
5. Explain briefly thermal energy.
6. Explain tar sand and oil shale.
7. What are the advantages and disadvantages of non-conventional energy sources?
8. Explain solar constant.
9. Explain with the help of sketch solar radiation at the earth surface.
10. Explain with neat sketch pyrometer.
11. Define the following.
12. Solar altitude angle B) solar azimuth angle C) Declination
13. Explain beam and diffuse radiation.
14. Explain with neat sketch liquid flat plat collector.
15. Explain with sketch cylindrical parabolic concentrator.
16. Explain with neat sketch solar energy water heating.
17. Explain with neat sketch space cooling for building.
18. Explain with neat sketch solar pond.
19. Explain with neat sketch sensible and latent heat storage.
20. Explain with neat sketch solar air heater.
21. What is the application of solar energy?