

Assignment: 2

1. Derive the expression of collector efficiency factor, heat removal factor and use full heat gain for the air heater.
2. Explain the working of indirect solar drying system with neat sketch. Also discuss the advantages.
3. Derive the expression of collector efficiency factor, heat removal factor and use full heat gain for the cylindrical parabolic collector.
4. Explain the construction of solar pond with neat sketch.
5. Define terms : Angle of Incidence, Declination, Solar constant
6. Explain construction and working of Pyranometer with schematic diagram.
7. Explain working of solar still with neat sketch.
8. List the factors affecting for the performance of flat plate collector.
9. Explain working of solar pond.
10. Define term: Solar Azimuth Angle, Solar Altitude Angle, Hour Angle