

Solar Energy Engineering (ME-431-F)

Short Questions:-

- Q.1 Explain Radiation measurement systems.
- Q.2 What is the periodic heat transfer through walls and roofs.
- Q.3 Periodic heat transfer through walls and roofs.
- Q.4 Continuous and Intermittent vapour absorption systems for cooling applications.
- Q.6 Explain Solar radiation properties of surfaces and shading of surfaces.
- Q.7 What are the flat plate collector? Show and explain its various elements with a suitable sketch.
- Q.8 Advantage and disadvantage of each type of flat plate collector.
- Q.9 Explain the Construction, working and principle of solar cooker with neat diagram.
- Q.10 Describe the procedure of solar drying of grains.
- Q.11 Write and explain the various component of solar air conditioning system with neat diagram.
- Q.12 Explain the principles and describe how the solar photovoltaic cells are produced.
- Q.13 Short note on Global Warming.
- Q.14 What is the satellite solar power system.
- Q.15 Explain Water heating system.
- Q.16 Explain Air heating system.
- Q.17 Write the short note on Solar Bonds

Q.18 Write the short note on solar Pumps.

Q.19 Explain ozone layer depletion

Q.20 Write the short note on heliostats.

Q.21 Explain Pyrheliometers and other measurement devices

Q.22 Write the short note on thermal storages

Q.23 Explain the thermoelectric generation.

Q.24 Explain Kirchhoff's law of heat transfer by radiation.

Q.25 What are the causes of ozone layer depletion.