

**ALPHA COLLEGE OF ENGINEERING & TECHNOLOGY**  
**DEPARTMENT OF DIPLOMA MECHANICAL ENGINEERING**

**E.C.H.M.(3300003)**  
**FREQUENTLY ASKED QUESTIONS (FAQ)**

- 1) *Define environment & Write importance of environment.*
- 2) *What is ecosystem? Explain various components of ecosystem.*
- 3) *Define food chain & food web with examples.*
- 4) *Write types of Environment. Explain Atmosphere and hydrosphere (fig.)*
- 5) *Explain Green house Gases.*
- 6) *Explain Acid Rain.*
- 7) *Explain the concept of sustainable development.*
- 8) *Explain renewable energy resources in brief.*
- 9) *What are the advantages of waste recycling*
- 10) *Give difference between Horizontal axis wind mill and Vertical axis wind mill.*
- 11) *Explain types of HAWT's.*
- 12) *Write Difference Between. Pyranometer and Pyrheliometer.*
- 13) *Explain Sun shine Recorder.*
- 14) *Explain Natural & Forced circulation solar water heater with neat sketch.*
- 15) *Explain construction & working of Box type solar cooker with neat sketch  
.Also write its advantages*
- 16) **STATE ADVANTAGE AND DIS ADVANTAGES OF BIO MASS.**
- 17) **EXPLAIN WORKING PRINCIPLE AND CONSTRUCTION DETAIL OF BIOGAS PLANT.**
- 18) *Explain the principles of Seismic Engineering in design of structure.*
- 19) **WHAT IS SESMIC ENGINEERING.EXPLAIN IT.**
- 20) **ROLE OF DISASTER MANAGEMENT DEPARTMENT.**