



- Que. 2 (a) What are the fossil fuels used for generation of conventional power? Explain the working of gas based power plant with a neat sketch. (6)
- (b) Explain how the nuclear power plant works. Label all the components of the plant using neat sketch. (6)
- Que. 3 (a) Sketch the diagram of VAWT and explain the functions of its main components. List the limitations of solar energy. (6)
- (b) What is the source of tidal energy? What are the potential sites of tidal energy in india? List the advantages and limitations of tidal energy. (6)
- Que. 4 (a) Explain briefly about the biogas. What are the economic and social benefits of the biogas utilization? (6)
- (b) What is the principle of solar photo-voltaic power generation? What are the main elements of a PV system? (6)
- Que. 5 (a) Write the definition of pollution and also explain the causes of pollution. (6)
- (b) What are the control measures used for controlling soil pollution? List at least six of them. (6)
- Que. 6 (a) What is particulate matter? How are they classified? How do particulate matter harm human health? (6)
- (b) Explain in detail about the ozone layer depletion process and its various effects. (6)
- Que. 7 (a) What are the sources and effects of noise pollution? Explain in detail. (6)
- (b) Write about the process of Biological magnification. Explain the term BOD and COD. (6)