

# **Subject: Environmental Management & Sustainable Development –II**

## **F.Y. BAF - Semester II**

### **ASSIGNMENT**

#### **Answer the following**

1. Explain the concept of assimilative capacity of the environment. Discuss its importance in pollution control and environmental sustainability
2. Discuss Volatile Organic Compounds (VOCs), Peroxyacetyl Nitrate (PAN), Polycyclic Aromatic Hydrocarbons (PAHs), and Persistent Organic Pollutants (POPs) as important air pollutants.
3. Discuss the adverse health effects of air pollutants on humans, plants, and animals.
4. Explain important water quality parameters and standards. Discuss their role in maintaining safe water quality.
5. Explain thermal pollution and radioactive pollution. Discuss their sources and impacts on human health and ecosystems.
6. Explain the constitutional provisions for environmental protection in India with reference to Article 48A, Article 51A (g), and derived environmental rights
7. Explain the Environmental Management System (EMS). Discuss the importance and key elements of ISO 14001
8. Discuss major international environmental agreements (Stockholm Conference 1972, Ramsar Convention 1971, Montreal Protocol 1987, Basel Convention 1989, Rio Earth Summit 1992, Kyoto Protocol 1997, Johannesburg Summit 2002) and major Indian environmental legislations (Wildlife Protection Act 1972, Water Act 1974, Forest Conservation Act 1980, Air Act 1981, Environment Protection Act 1986, Biological Diversity Act 2002).
9. Discuss pollution control and waste management strategies. Explain the concept of 3R (Reduce, Recycle, Reuse) and sustainability.
10. Explain the National Ambient Air Quality Standards (NAAQS). Discuss their significance in air pollution management