



THE ANSWERS MUST BE ATTEMPTED ON THE ANSWER SHEET PROVIDED

Q.1. Answer the following short questions: (15x2=30)

- i) How is acid rain formed?**
- ii) Describe composition of atmosphere?**
- iii) Discuss effects of smog.**
- iv) Discuss the significance of COD.**
- v) Which species are responsible for removal of hydroxyl radical from unpolluted atmosphere?**
- vi) Differentiate between point and non-point source with respect to water pollution.**
- vii) How is temporary hardness of water removed?**
- viii) Define mesosphere. Give its composition.**
- ix) What is Environmental Management System?**
- x) What is meant by Polar Vortex?**
- xi) What are the advantages and disadvantages of inorganic fertilizers?**
- xii) How does temperature inversion take place in the troposphere?**
- xiii) How is waste water characterized?**
- xiv) Explain the composition and properties of the environment**
- xv) Differentiate between DO and BOD.**

Q.2. Answer the following questions. (6x5=30)

- a. Discuss CFCs and methane as a Green House Gas?**
- b. Write a detailed note on the carbon cycle.**
- c. Discuss the sources and effects of Pb and As.**
- d. What is ozone depletion? Give its biological consequences.**
- e. Define acid rain and how it affects plants and animal life.**
- f. Discuss the effects of any two heavy metals as pollutant.**