AIR POLLUTION AND CONTROL

IMPORTANT QUESTIONS

1. Define the term “Pollution” and classify its types?
2. What is meant by Smog?
3. What do you understand by the term “Inversion”?
4. Classify the types of Wind rose diagrams?
5. Define Isokinetic condition?
6. What is the scope and significance of air pollution control?
7. List the forms of damages to leaves.
8. Write a short note on Fume.
9. Define Meteorology and state its significance.
10. What do you mean by “Air sampling”?
11. Define Air Pollution. Discuss the sources and classification of air pollution.
12. Describe the various Mechanisms and Effects of air pollution on Materials
13. Give a brief note on primary meteorological factors that influences air pollution.
14. Discuss in detail about Plume behavior and its types with neat sketches..
15. Write a brief note on Wind turbulence.
16. Explain about the Air sampling based on gaseous and vapour with suitable techniques.
17. Explain the various important gases in air pollutants and how they affect mankind.
18. Write a brief note on “Photochemical smog”.
19. Define Lapse rate and write a brief note on classification of Lapse rate
20. A factory uses 200000 liters of furnace oil per month. If for one million liters of oil used per year, the particulate matter emitted is 3.0 tons per year, SO2 emitted is 59.7 tons per year, NOx emitted is7.5 tons per year, HC emitted is0.37 tons per year and CO emitted is 0.52 tons per year. Calculate the height of chimney required to be provided for safe dispersion of pollutants (Use the H = 74 (Q) 0.27formula to compute Chimney height).
21. How do you measure Wind direction and speed? Explain the process with neat sketches.
22. Explain about the Air sampling based on particulate matter with any three suitable techniques.