

K1 – Remember; K2 – Understand; K3 – Apply; K4 – Analyze; K5 – Evaluate; K6 – Create

- b) Elaborate about the various meteorological parameters that influencing 13,K3,CO3 air pollution. 13. Explain with neat sketch about fabric filter with advantages, a) 13,K3,CO4 disadvantages and applications. OR b) A cylindrical electrostatic precipitator of diameter 0.3m is used for 13,K3,CO4 separating pulverized coal fly ash particles from a furnace gas stream. If the volumetric flow rate of the gas is 0.05 m³/sec, what will be the length of precipitator for obtaining a collection efficiency of 99.9%? What percent change in electrode collection area is required to increase the collection efficiency from 99.9 to 99.95%? 14. Briefly discuss on types of carbon adsorption system with suitable neat 13,K2,C05 a) sketch. OR b) (i) Write the working and design aspects of bio filters. 7,K2,CO5 (ii) How do combustion process is applied in gaseous pollution 6.K2.CO5 control? Define Indoor Air Quality. What are the sources and types of Indoor 13,K2,CO6 15. a) air Pollutants? How will you control it? OR b) Explain the impact of noise pollution on humans and how it can be 13,K2,CO6 controlled at source? PART - C $(1 \times 15 = 15 \text{ Marks})$
- 16. a) What are the effects of air pollution on human being, animals and 15,K2,CO2 plants?
 - OR
 - b) How air pollutant produces economic effects? Explain in detail. 15,K2,CO2

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