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Roll No

CE-8043**B.E. VIII Semester**

Examination, June 2017

Air Quality Monitoring & Control**(Elective - II)****Time : Three Hours****Maximum Marks : 70**

- Note:** i) Answer any five questions.
ii) All questions carry equal marks.

1. Discuss any two famous historical episodes of air pollution with their effects on environment.
2. Explain the importance of genetic & climatic factors in relation to the effects of air pollution on plants.
3. Explain the role of different meteorological parameters for the dispersion of air pollutants in the atmosphere.
4. Explain different types of plume patterns with neat sketch.
5. Discuss with examples & chemical reactions for the formation of secondary pollutants.
6. What are Air-Borne Allergens? Explain their origin with examples. Also explain the probable relation between "Asthma" & "Air Pollution".

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7. Explain with neat sketch the principles construction & working of a cyclone separator.
8. Answer any four of the following:
 - a) What are different effects of air pollution on human beings.
 - b) What are different diseases caused by air pollutants?
 - c) Explain -
 - i) PAN
 - ii) PBN
 - iii) PNN.
 - d) What are the factors governing selection of air monitoring stations?
 - e) Enlist different occupational diseases and their source.
 - f) Explain industrial ventilation.

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