

Code No: 136AB

R16

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

B. Tech III Year II Semester Examinations, November/December - 2020

AIR POLLUTION AND CONTROL

(Civil Engineering)

Time: 2 hours

Max. Marks: 75

Answer any five questions

All questions carry equal marks

1. Describe the point, non-point and line air pollution sources. [15]
2. Present a detailed classification of air pollution on different criteria. [15]
3. Explain how greenhouse effect is responsible for global warming. [15]
4. Write notes on:
 - a) Effects of CO on human beings
 - b) Acid rains. [8+7]
5. Explain how wind rose is drawn? Explain the significance of wind rose in location of industries. [15]
6. Explain the role of micrometeorological parameters in air pollution. [15]
7. With help of sketches explain the working principles of electrostatic precipitators. [15]
8. Write notes on the following:
 - a) High volume air samplers
 - b) Isokinetic sampling. [7+8]

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