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
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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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