

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- SEMESTER-V (NEW) EXAMINATION – WINTER 2020****Subject Code:3153512****Date:29/01/2021****Subject Name:Air Pollution Control - I****Time:10:30 AM TO 12:30 PM****Total Marks: 56****Instructions:**

1. Attempt any FOUR questions out of EIGHT questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

	MARKS
Q.1 (a) Describe conning and Fanning.	03
(b) Define Necrosis, Chlorosis and Epinasty.	04
(c) Explain Aerosols in detail.	07
Q.2 (a) Describe Wind Direction and Speed.	03
(b) Brief Precipitation.	04
(c) Explain flowchart for measurement of Nitrogen Dioxide.	07
Q.3 (a) What is Odour Masking?	03
(b) Describe Solar Radiation.	04
(c) Explain stack sampling in detail.	07
Q.4 (a) Describe Noise Induced Hearing Loss.	03
(b) Describe sampling of Hydrocarbons.	04
(c) Explain flowchart for measurement of PM _{2.5} .	07
Q.5 (a) Describe Acute Injury and Chronic Injury.	03
(b) Describe smog.	04
(c) Explain Wind Rose Diagram.	07
Q.6 (a) Discuss effective Stack Height.	03
(b) How to control noise?	04
(c) What are the effects of air pollution on health?	07
Q.7 (a) Describe physical Adsorption.	03
(b) Describe Pitch and Frequency.	04
(c) Explain construction and working of scrubber.	07
Q.8 (a) Describe Chemical Adsorption.	03
(b) Describe effect of Noise on Wild Life.	04
(c) Explain in detail sources of Air Pollution.	07
