

**PARUL UNIVERSITY**  
**PARUL INSTITUTE OF APPLIED SCIENCES**  
**MID SEMESTER INTERNAL EXAMINATION, MARCH 2020**

**B. Sc. Semester IV**  
**Subject: Environmental Science**

**Paper Code:11114252**

**Title of the paper: Environmental Pollution**

**Date: 03 /03 /2020**

**Time: 12:00 to 1:30 pm**

**Maximum Marks: 40**

**Instructions:**

- 1. All questions are compulsory and options are given in first and second question only.**
- 2. Numbers to the right of question indicate the marks of respective question.**

<b>Q. 1</b>	Attempt any one question of the following. (i). Discuss the Air Quality Index in detail (ii). Write down sources and effect of Noise Pollution	<b>(08)</b>
<b>Q. 2</b>	Attempt any three questions of the following. (i). Differentiate Primary and Secondary Air Pollutant (ii) Discuss the Indian Standards for Noise Pollution (iii) Explain the types of Noise (iv) Explain in detail about smog (v) Write down the effects of SO <sub>x</sub> and NO <sub>x</sub>	<b>(12)</b>
<b>Q. 3</b>	Do as directed. Attempt all five questions. (i). Write down the origin of PM (ii) Define Pollutants (iii) Name out the Instrument used for Air Sample Collection (iv) What are the effects of CO (v) What is Noise ?	<b>(05)</b>
<b>Q. 4</b>	Write correct option in your answer sheet for following 15 multiple choice questions.	<b>(15)</b>

<b>MCQ 1</b>	Smog is the combination of			
	(A)	Smoke + Fog	(B)	Smoke + Fog + PM
	(C)	Fog + PM	(D)	Smoke + PM
<b>MCQ 2</b>	Indian Standard is declared by			
	(A)	BIS	(B)	CPCB
	(C)	GPCB	(D)	ILO
<b>MCQ 3</b>	Which is not the Primary Air Pollutants ?			
	(A)	CO	(B)	Ozone
	(C)	Particulate Matter	(D)	Smog
<b>MCQ 4</b>	Classical Smog is first time recorded in London in			
	(A)	1958	(B)	1972
	(C)	1952	(D)	1968

MCQ 5	How many People died in London Smog			
	(A)	4000	(B)	1000
	(C)	45000	(D)	7000
MCQ 6	Formula of Oxides of Nitrogen is			
	(A)	NO <sub>x</sub>	(B)	NO <sub>3</sub>
	(C)	NO <sub>2</sub>	(D)	NO
MCQ 7	Which one is not the mobile source of air pollution			
	(A)	Industrial Emission	(B)	Air Transport
	(C)	Road Transport	(D)	Train Transport
MCQ 8	Silica Oil is used in collection of			
	(A)	PM <sub>2.5</sub>	(B)	SO <sub>x</sub>
	(C)	CO	(D)	PM <sub>10</sub>
MCQ 9	Composition of Oxygen in atmosphere is			
	(A)	78 %	(B)	0.03 %
	(C)	21 %	(D)	71 %
MCQ 10	Indian Standard for Air Pollution is not given for			
	(A)	Industrial Area	(B)	Sensitive Area
	(C)	Residential Area	(D)	River Area
MCQ 11	Types of Source of Air Pollution is not from below			
	(A)	Point Source	(B)	Stationery Source
	(C)	Mobile Source	(D)	Both (B) and (C)
MCQ 12	Air Pollution is occurred in			
	(A)	Lithosphere	(B)	Biosphere
	(C)	Atmosphere	(D)	Hydrosphere
MCQ 13	Which is the quantitative Pollutants			
	(A)	CO <sub>2</sub>	(B)	CO
	(C)	NO <sub>x</sub>	(D)	SO <sub>x</sub>
MCQ 14	Noise can be measured by			
	(A)	Sound Level Meter	(B)	Psychrometer
	(C)	Lux Meter	(D)	Dust Meter
MCQ 15	The Unit of Noise Measurement is			
	(A)	dB	(B)	mg/m <sup>3</sup>
	(C)	Lux	(D)	pa

-- All The Best--