



DF-1435

M. Sc. Environmental Science (Sem. III)
Examination

March / April – 2016

ENS : 302 : Air Pollution & Control Tech.

Time : Hours]

[Total Marks :

Instructions :

(1)

नीचे दर्शायेव निशानीवाणी विगतो उत्तरवडी पर अवश्य कपनी. Fillup strictly the details of signs on your answer book.	Seat No. :
Name of the Examination :	<input type="text"/>
<input type="text" value="M. SC. ENVIRONMENTAL SCIENCE (SEM. III)"/>	<input type="text"/>
Name of the Subject :	<input type="text"/>
<input type="text" value="ENS : 302 : AIR POLLUTION & CONTROL TECH."/>	<input type="text"/>
Subject Code No. : <input type="text" value="1"/> <input type="text" value="4"/> <input type="text" value="3"/> <input type="text" value="5"/> Section No. (1, 2,...): <input type="text" value="Nil"/>	<input type="text"/>
	Student's Signature

(2) Figures to the right indicate full marks.

(3) Draw neat and labeled diagrams whenever necessary.

1 Answer the Following (Any three)

18

- Distinguish between
 - Primary and secondary air pollutants
 - Stationary and mobile source air pollutants
- List the various economic losses due to air pollution.
- Explain effect of air pollution on plants.
- What are the symptoms of acute and chronic poisoning by the following pollutants on animals (a) Fluorine (b) Lead (c) Arsenic

2 Answer the Following (Any three)

18

- Define a wind rose. Explain the importance of wind rose diagram in air pollution studies.
- Enlist the methods to control exhaust emission and explain any one in detail.
- Write a short note on gravity setting chamber.
- Explain general characteristics of plume.

3 Answer the Following (Any three)

18

1. Write a short note on Isokinetic sampling.
2. Write a short note on cleaning mechanism of bag filter.
3. Write a short note on noise pollution and its control.
4. Explain control of nitrogen oxide with catalytic reduction.

4 Answer the Following (Any two)

16

1. Enlist the devices used for sampling gases and vapours. Explain any two in detail.
 2. Enlist and explain levels as Noise measurement scale.
 3. Write a short note on:
 - (a) Crank case emissions
 - (b) Evaporative emissions
 - (c) Exhaust emissions
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