

22511

23124

3 Hours / 70 Marks

Seat No.

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- Instructions* – (1) All Questions are *Compulsory*.
(2) Answer each Section on same / separate answer sheet.
(3) Answer each next main Question on a new page.
(4) Illustrate your answers with neat sketches wherever necessary.
(5) Figures to the right indicate full marks.
(6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

- 1. Attempt any FIVE of the following: 10**
- Enlist causes of Global Warming.
 - State effect of ozone depletion.
 - Enlist man made sources of air pollution.
 - Draw neat sketch of Bag filter.
 - Define pH.
 - State importance of ISO 14000.
 - List out any two application of RO in waste water treatment.
- 2. Attempt any THREE of the following: 12**
- Describe Green House effect.
 - Discuss effect of air pollution on human health.
 - Describe the Love Canal episode.
 - State role of Central Pollution Control Board.

P.T.O.

- 3. Attempt any THREE of the following:** **12**
- a) Compare Catalytic convertor and Thermal incineration.
 - b) State 3R principle for solid waste management.
 - c) Draw neat sketch of activated sledge treatment method.
 - d) Describe with neat sketch cyclone separator.
- 4. Attempt any THREE of the following:** **12**
- a) Describe in detail food chain.
 - b) State hazardous effect of Biomedical waste.
 - c) Describe process of collection of solid waste. (any one)
 - d) Describe forth flotation process with neat diagram.
 - e) Explain water pollution and control act 1996.
- 5. Attempt any TWO of the following:** **12**
- a) Describe with neat sketch of Electrostatic precipitation.
 - b) Describe in detail sanitary landfill method.
 - c) Compare primary, secondary and tertiary water treatment method.
- 6. Attempt any TWO of the following:** **12**
- a) Describe Carbon Cycle with neat diagram.
 - b) Describe in details wet scrubber with neat diagram.
 - c) Explain the BOD and COD in details.
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