

22466

23124

3 Hours / 70 Marks

Seat No.

--	--	--	--	--	--	--	--

- Instructions :**
- (1) All Questions are *compulsory*.
 - (2) Answer each next main Question on a new page.
 - (3) Illustrate your answers with neat sketches wherever necessary.
 - (4) Figures to the right indicate full marks. Abbreviations used convey usual meaning.
 - (5) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Answer any FIVE :

5 × 2 = 10

- (a) Define :
 - (i) Environment
 - (ii) Ecosystem
- (b) Define :
 - (i) Pollution
 - (ii) Pollutant
- (c) State different plume characters.
- (d) Explain the term finishing with respect to textiles.
- (e) Define pH. Draw pH scale.
- (f) Explain meaning of secondary waste water treatment.
- (g) Explain meaning of equalisation.



- 2. Answer any THREE :** **3 × 4 = 12**
- (a) Describe Global Warming.
 - (b) (i) Define C.O.D. **1**
(ii) Describe a method of its determination. **3**
 - (c) Describe a method to determine turbidity of a textile effluent.
 - (d) Write stepwise procedure to determine pH of textile effluent.
- 3. Answer any THREE :** **12**
- (a) Explain causes of ozone layer depletion.
 - (b) (i) Define plume. **1**
(ii) Describe the process of looping. **3**
 - (c) Describe a process to determine water quality parameter from desizing waste water.
 - (d) Describe a method to determine total dissolved solids in water.
- 4. Answer any THREE :** **3 × 4 = 12**
- (a) (i) Name sources of noise pollution in textile industry. **1**
(ii) Outline the principle of using a noise-meter. **3**
 - (b) Explain in general remedies to control water pollution from textile industry.
 - (c) (i) Define Scouring. **1**
(ii) Explain pollution added to water in scouring process. **3**
 - (d) Outline the procedure to determine dissolved oxygen in water.
 - (e) Explain with an example, electrolytic precipitation.
- 5. Answer any TWO :** **2 × 6 = 12**
- (a) Describe consequences of deforestation.
 - (b) Explain effect of any two air-pollutants from textile industry, on :
 - (i) human being
 - (ii) vegetation

22466

[3 of 4]

- (c) (i) Define hardness of water. 1
(ii) Describe stepwise procedure to determine hardness of a textile effluent. 5

6. Answer any TWO : **2 × 6 = 12**

- (a) Explain general : (i) purpose, (ii) norms of ISO 14000.
- (b) (i) Write name and chemical formula of bleaching powder. State its chlorine content. 2
(ii) Describe a method to determine chlorine content from bleaching plant of a textile industry. 4
- (c) Explain :
- (i) Principle of trickling filtration.
- (ii) Write difference(s) between conventional osmosis and R.O.
-

