

17686

15162

3 Hours / 100 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.
 - (5) Assume suitable data, if necessary.
 - (6) Mobile Phone, Pager and any other Electronic Communication devices are not permissible in Examination Hall.

Marks

1. Attempt any FIVE :

20

- (a) What is 'Global warming' and write its effects on current Ecosystem.
- (b) Explain how finishing process of textiles affects on water pollution.
- (c) What is noise pollution from Textile Industry point of view ? Explain the methods of reducing noise in Textile Industry.
- (d) Define the term TDS. How is TDS evaluated ?
- (e) What are various factors responsible for various accidents in Textile Industry ?
- (f) Enlist any four hazardous chemicals used in textile wet processing and the processing department in which they are used.
- (g) Explain the factors which are responsible for various fire hazards in textile industry.

2. Attempt any TWO :

16

- (a) Define the term 'pollution'. Explain the types of pollution from Textile Industry and their effects.
- (b) Describe in detail, the effect of Textile processing from various departments on Air-pollution. Write about Greenhouse gases.
- (c) Describe various steps involved in Effluent treatment plant. What is CETP ? Write its importance and limitations.

- 3. Attempt any TWO : 16**
- (a) What is 'BOD' and 'COD' ? Write the method of evaluation of BOD and their permissible limits in textile effluent.
 - (b) Describe the effect of various Textile Chemicals on water pollution and write their remedies process wise.
 - (c) What is textile effluent ? Explain the R.O. and multieaporators. Write their advantages and limitations.
- 4. Attempt any TWO : 16**
- (a) Describe the effluent contents coming from textile dyeing department. Explain any one method for safe disposal for Dye house effluent.
 - (b) What are various sources of noise pollution in Textile Industry ? What is effect of Noise pollution on human health and efficiency ?
 - (c) How is COD different from BOD ? Explain the method for evaluation of COD. Write it's permissible limits in Textile effluents.
- 5. Attempt any TWO : 16**
- (a) Describe the effect of Textile processing on water pollution and it's effect on human and aquatic life.
 - (b) Explain in detail the effect of air-pollution on human health and vegetation arising from Textile Industry and give the remedies to control air-pollution.
 - (c) Write about various incidents of fires and its accidents in Textile Industry. Enlist the remedies to overcome them.
- 6. Attempt any TWO : 16**
- (a) What are various chemicals from printing processes which affects on water pollution ? Write their remedies.
 - (b) Explain the basic concepts and design of effluent treatment plant in Textile Industry.
 - (c) Describe various electrical and chemical safety parameters in Textile Industry.
-