

Part – B
Answer the following 5 x 6= 30
Answer shun not exceed 400 words or two pages

- 11a. Describe the importance of eco mark
(or)
- 11b. Give an account about the hazardous wastes.
- 12a. Give the list of animal fibres. Write their importance in the textiles..
(or)
- 12b. What are bast fibres? Write the differences between cotton and bast fibres.
- 13a. What is an enzyme? Write the important application of enzyme in textiles..
(or)
- 13b. Give a description about the process of bio scouring on cotton fibres.
- 14a. What are mordants? Write their important roles in textile dyeing process..
(or)
- 14b. List out the mordanting techniques. Justify which technique is advantageous?
- 15a. Discuss about the important aspects involved in the effluent treatments. .
(or)
- 15b. Describe the similarities and differences between the aerobic oxidation and anaerobic oxidation processes.

Part – C
Answer the following 5 x 12 = 60
Answer shun not exceed 800 words or Four pages

- 16a. Explain how are effluent generation is increased from textile chemical processing industries?
(or)
- 16b. Describe in detail about the need for the use of eco label.
- 17a. Give the classification of natural fibres. Discuss them briefly.
(or)
- 17b. Give a detailed account of cotton fibres with respect to its eco friendly aspects.
- 18a. Explain the mechanism of enzyme in the bio scouring of cotton textiles.
(or)
- 18b. Describe the mechanism of application of enzyme in the process of denim fading.
- 19a. List out the important natural dyes available from plants. Explain their dyeing process.
(or)
- 19.b. Explain the natural dyeing process on cotton fabric by pre-mordanting and post-mordanting techniques.
- 20a. Explain the important secondary treatment processes adopted for the textile effluents.
(or)
- 20b. Explain the important aspects of ion exchange method in the purification of waste water.
