

Register No.:

766

April 2024

Time – Three hours
(Maximum Marks: 100)

- [N.B. 1. Answer all questions under Part-A. Each question carries 3 marks.
2. Answer all the questions either (A) or (B) in Part-B. Each question carries 14 marks.]

PART – A

1. Mention alkaline salts used in pre-tanning process.
2. What is the role of ammonium Chloride in leather processing?
3. What are syntans in leather?
4. Mention the unit operations involved in syntans manufacturing.
5. Write down the composition of fat liquor.
6. List out the fat liquors used in leather manufacturing.
7. Write a note on dye dispersing agent.
8. Write any three properties of pigments.
9. Write down the role of polymers in leather finishing.
10. Write a note on surface feel modifiers.

[Turn over.....

PART – B

11. (a) Discuss about the commercial method of preparation of acidic salts used in leather manufacture.

(Or)

- (b) Discuss about the preparation methods of enzyme based unhairing and bating agents.

12. (a) Discuss about the preparation of chrome tanning extract.

(Or)

- (b) Give an account on classifications and properties of syntans.

13. (a) Elaborate the manufacturing aspects of fat liquors used for leather processing.

(Or)

- (b) Give an account on following: (5+5+4)

(i) Sulphation (ii) Sulphonation (iii) Sulphochlorination.

14. (a) Explain the chemistry and manufacturing aspects of dyes used in leather processing.

(Or)

- (b) Write down the various classifications and sources of pigments.

15. (a) Explain the various methods of preparation of polymers used in leather finishing.

(Or)

- (b) Give a detailed note on lacquers in leather finishing.
