B. Tech.

(SEM. VI) EXAMINATION, 2006-07

POST TANNING & FINISHING OPERATIONS

Time : 3 Hours] [Total Marks : 100

Note : Attempt all questions. All questions carry equal marks.

1 Attempt any four of the following : \(4 \times 5 = 20\)
   (a) Describe different factors influencing the leather Dyeing.
   (b) Discuss Shade Matching procedure in dyeing of leather.
   (c) Describe factors for selection of dyes in Shade Matching of different kinds of leather.
   (d) What is Acid-dyes?
   (e) What precautionary measures should be taken for satisfactory dyeing?
   (f) What are levelling agents in dyeing?

2 Attempt any four of the following : \(4 \times 5 = 20\)
   (a) Discuss fatty spues and its effects on leather.
   (b) What is sulphited fat-liquors?

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(c) Define fatliquoring.
(d) What emulsifier and its role in fatliquoring?
(e) Give examples of drying oils and non-drying oil.
(f) What is Degras?

3 Attempt any two of the following:
(a) Describe theory of water proofing? 10
(b) Name some proprietary products based on silicons. 10
(c) Mention the advantages and disadvantages of using silicon. 10

4 Attempt any four of the following:
(a) Describe mechanical operations involved in leather finishing. 10
(b) Describe the factors responsible for glass retention of finishes. 10
(c) Briefly describe different layers of finish coat. 10

5 Attempt any two of the following:
(a) What are the sources of pigments? 10
(b) Mention the advantages and disadvantages of acrylic binders. 10
(c) Compare protein finish and Resin finish. 10