

B.Sc. FOOTWEAR TECHNOLOGY (BSCFWT)

Term-End Examination

December, 2017

00261

BFW-040 : MANUFACTURING TECHNIQUE – I

Time : 3 hours

Maximum Marks : 70

Note : Attempt any *seven* questions. All questions carry equal marks.

1. (a) What are the advantages of making a layout ? Write the important points to remember while making a layout on Cow Nubuck leather.
- (b) Name and explain different types of cutting edges needle point in shoe making. 5+5
2. (a) Describe different physical properties of cotton and synthetic threads.
- (b) What do you understand by BOS ? Explain. 5+5
3. (a) How do the lines of stretch run in buff calf leather ? Illustrate with a relevant diagram.
- (b) Name and explain different parts of skiving machines. 5+5

4. (a) What are the different types of toe-puffs and counter stiffeners which are used in manufacturing of shoes ?
- (b) Write the dimensions (L × B × H) of cellulose board, shank board and steel shank. State the purpose of these boards. 5+5
5. (a) Explain the various types of random physical tests for the selection of leather.
- (b) Describe the following in brief :
- (i) Needle guard
- (ii) Horizontal hook 5+5
6. (a) Explain the different criteria of selecting thread for closing of the upper.
- (b) Define the following terms :
- (i) Insole
- (ii) Heel 5+5
7. (a) Differentiate between Toe-spring and Heel height.
- (b) Define Split and Suede leather.
- (c) Explain four sections of a Last.
- (d) Differentiate between Open and Closed Seams. $4 \times 2 \frac{1}{2} = 10$

8. (a) Explain the French sizing system.
- (b) How will you minimize the wastage while cutting the insole board or shank board? 5+5
9. (a) Name and explain four basic styles of footwear.
- (b) What is sorting of leather? Explain.
- (c) Why should the topline of quarter be stronger?
- (d) Show the line of tightness in goat skin. $4 \times 2 \frac{1}{2} = 10$
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