

**B.Sc. FOOTWEAR TECHNOLOGY (BSCFWT)**

**Term-End Examination**

00314

**June, 2014**

**BFW-040 : MANUFACTURING TECHNIQUE – I**

*Time : 3 hours*

*Maximum Marks : 70*

**Note : All questions are compulsory.**

1. What are the main measurements of last during pattern making ? 5
2. Differentiate between formal and casual shoes. 5
3. Define last and explain its minimum 5 types. 5
4. Explain the following in brief : 4×2=8
  - (a) Name the test by which we can check grain strength of the leather.
  - (b) Which defects found on the skin of a dead animal reflect on the leather after tanning ?
  - (c) How do the lines of stretch run in buff calf leather ? Show by diagram.
  - (d) What is the cuttability of leather for different grades ?
5. Explain the following in brief : 3×4=12
  - (a) How do we store the leather ? Explain the controlling parameters.

- (b) A shoe factory purchased 4000 sq. ft. TR leather @ ₹ 70 sq.ft. After regrading of the leather, the quantity of A, B, C grade found was respectively 900, 1500 and 1200 sq. ft. Calculate the profit/loss during purchasing of leather.
- (c) How would you evaluate the quality of leather in a tannery during inspection ?
6. Name and explain different types of 2 Cutting Edges needle point in shoe making. 5
7. Explain different physical properties of cotton and synthetic threads. 5
8. Name and explain different parts of skiving machines. 5
9. What do you understand by BOS ? Explain. 5
10. Explain the following in brief :
- (a) What are the different types of Toe-puff and Counter stiffener which we use in manufacturing of shoes ? 5
- (b) What are the various methods for manufacturing fiber boards ? Explain any one method with the help of a diagram. 5
- (c) Define the following terms : 5
- (i) PVC Sole
- (ii) Resin Rubber
- (iii) Microcellular Rubber
- (iv) Heel
- (v) E.V.A.