

00945

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

**Term-End Examination**

**June, 2012**

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

*Time : 3 Hours*

*Maximum Marks : 70*

*Note : Attempt any seven questions.*

1. Give reasons for the following : 10
  - (a) Lining pattern reduced by 8 mm in lasting margin from the upper pattern in stuck - on construction.
  - (b) Slit / chambers provided in margins given in the pattern.
  - (c) V - cut lining in Derby Style.
  - (d) Trimming margin given in lining patterns.
  
2. Define last. Explain all types of last with diagram. 10
  
3. Attempt *any five* questions : 5x2=10
  - (a) What do you mean by key test ?
  - (b) What are the post mortem defects found on leather ?
  - (c) Why lines of tightness should be maintained in cut components ?

- (d) How the lines of stretch run in buff calf leather (show by diagram) ?
- (e) Why leather is recommended to store at lower temperature ?
- (f) What is the cuttability of leather for different grades ?

4. Attempt *any two* questions : 2x5=10

- (a) How we store the leather ? Explain the controlling parameters.
- (b) What is the purpose of leather grading ? Explain tannery method of grading .
- (c) What are the advantages of making layout ? Write important points to remember while making layout on Cow Nubuck leather.

5. (a) Name and explain different types of 2 cutting edges needle point in shoe making.

(b) Explain different physical properties of cotton and synthetic threads. 2x5=10

6. (a) Name and explain different parts of skiving machines. 2x5=10

(b) What do you understand by BOS ? Explain it .

7. Attempt *all* questions (*True / false*) : 5x2=10

- (a) Material used to fill the cavity created by lasted upper is known as welt.
- (b) The top surface or walking surface of heel is called as top piece.
- (c) High quality cellulose board is bonded with synthetic neoprene.
- (d) Insole board is woven board.
- (e) Resin, Alum and Latex are non - fibrous.

8. Attempt *any four* questions : 4x2.5=10

- (a) Name the four different types of toe-puff materials.. Write the process of manufacturing of impregnated fabrics.
- (b) Write the ten important parts and function of travelling head cutting machine.
- (c) What are the various methods for manufacturing fibre boards ? Explain cylinder vat machine with diagram.
- (d) How will you minimize the wastage while cutting the insole board or shank board ?
- (e) Define the following terms :
  - (i) Sole
  - (ii) Counter stiffener
  - (iii) Steel shank