

B. Sc. FOOTWEAR TECHNOLOGY (BSCFWT)

Term End Examination

June, 2011

**BFW-038 : INTRODUCTION TO
MANUFACTURING TECHNIQUE**

Time : 3 hours

Maximum Marks : 70

Note : All questions are compulsory and use of calculator is permitted.

1. (a) *State True/False* **5x1=5**
- (i) Phalanges are a set of 14 bones in the human foot. (T/F)
 - (ii) Length increment in U.K Size system is 9.46 mm (T/F)
 - (iii) An oxford design will have only 4 eyelets. (T/F)
 - (iv) 3mm margin is added on the upper for a fold top line (T/F)
 - (v) The apron pattern is a characteristic feature only of the slip on style. (T/F)
- (b) Answer the following : **5x1=5**
- (i) Define Ossification.
 - (ii) What is the need of giving Folding margin and where is it given ?

- (iii) What is Underlay Margin ? Why do we need it ?
 - (iv) State the difference between Derby and Oxford.
 - (v) Name the important reductions in Lining Standard. Give reasons.
- (c) Answer the following : 4
- (i) How many bones do we have in one foot ?
 - (ii) Name the basic bone categories.
 - (iii) State the number of bones in each category.
 - (iv) List the name of bones of Tarsus group.
- (d) List basic shoe styles and show them with the help of Diagram. 6
2. (a) Fill in the blanks : 5x1=5
- (i) The Skin's _____ area cannot be used for upper components at all.
 - (ii) The normal _____ allowance in the shoe is 1.5 cm.
 - (iii) Flaycut will appear on the _____ side of the skin.
 - (iv) Line of stretch in the complete shoe should run _____.
 - (v) On a good skin tongues should never be cut from the _____.

(b) Answer *any five* of the following : 5x1=5

- (i) Cutting plate of which material we use in clicking M/c and why ?
- (ii) What is the use of Leather Horse ?
- (iii) What is PP Board and its use ?
- (iv) How we store our machine cutting Dies ?
- (v) Define thermal conductivity regarding leather.
- (vi) What is the function of N1, N2, N3 switches in clicking machine ?
- (vii) What is the difference between leather and synthetic material ?

(c) Answer the following questions : 5x2=10

- (i) Show lines of tightness in Leather Hide.
- (ii) Show different quality regions in Leather Hide.
- (iii) Write various types of defect found in leather and explain.
- (iv) Why are we using leather for high quality shoes ? Explain.
- (v) Write 10 main parts of the clicking press and use.

3. (a) Fill in the blanks. 4
- (i) While changing or replacing the needle machine should be _____.
 - (ii) Hook rotates _____ before one stitch formation.
 - (iii) _____ is the thickest part of needle.
 - (iv) While inserting the needle into needle bar _____ should face towards the hook.
- (b) Write *True* or *False* : 4
- (i) Short groove protects the thread while it is going inside the material
 - (ii) While doing double row stitching, the gap between two rows should be 1.5 mm to 3mm.
 - (iii) Strobel machine is used for chain stitching.
 - (iv) Thermo folding machine is an ancillary machine.
- (c) Write down about 5 safety points while working on machine. 4
- (d) Write down good working habits while working on machine. 4
- (e) What are the different types of tools used in closing department. 4
- (f) Explain about the needle parts and function with diagram. 5
- (g) Explain about different machine parts and its function. 5
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