

B.Sc. FOOTWEAR TECHNOLOGY (BSCFWT)

Term-End Examination

June, 2013

BFW-040 : MANUFACTURING

TECHNIQUE - I 01945

Time : 3 Hours

Maximum Marks : 70

Note : Section - A is compulsory. Answer any ten (10) questions from Section - B and any seven (7) questions from Section - C.

SECTION - A (Compulsory)

11x1=11

1. (a) State whether the following assertions are **True** or **False** :
- (i) Vamp outside part can be traced from belly region.
 - (ii) Line of tightness is perpendicular to line of stretch.
 - (iii) Pig leather can be used in shoe making.
 - (iv) Cello tape test is done for checking adhesion of finished leather.
 - (v) Leather grading in a tannery is done without reference to design.
 - (vi) An apron is usually part of the back of the shoe.

- (vii) The feather line runs along the top of the quater.
 - (viii) There are three basic designs for toe shapes.
 - (ix) The monk is based on the Oxford design.
 - (x) The top surface or walking surface of heel is called as top piece.
 - (xi) High quality Cellulose board is bonded with synthetic neoprene.
- (b) Fill in the blanks : **4x1=4**
- (i) Stay is an _____ component.
 - (ii) Standard back height of size 41 is _____ mm.
 - (iii) Folding margin is given in _____ patterns only.
 - (iv) U - binding is also called as _____ binding.

SECTION - B

2. Explain in brief **any ten** questions : **10x2=20**
- (a) What is the purpose of Leather grading ?
 - (b) What is area discrepancy ? Write down its formula.
 - (c) What is dry and wet rub test ?
 - (d) Draw the diagram of deep curve blade and its use.
 - (e) Draw neatly the patterns of Derby shoe and show their quality regions.
 - (f) Write down the four points of leather storage.
 - (g) Write four points we should remember while making layout.
 - (h) Differentiate between Oxford and slip on.
 - (i) Name and explain four sections of Last.
 - (j) Define split and suede leather.
 - (k) What do we mean by folding and under lay margins ?
 - (l) Differentiate between Toe spring and heel height.

SECTION - C

7x5=35

Answer **any seven** questions.

3. Draw the diagram of cow hide and goat skin, showing the directions of line of tightness with quality regions.
4. What is nesting ? Write down its advantages.
5. What do you mean by time out of the hook of the sewing machine in the closing department ?
6. Explain the reasons why the following faults occur :
 - (a) Slip stitching
 - (b) Top thread broken
 - (c) Bottom thread broken
 - (d) Top thread too tight
 - (e) Bobbin thread too tight
7. What do you mean by skiving ? How is it done ? Explain different types of skiving with diagram.
8. What are the different types of Toe puff and counter stiffener which are used in manufacturing of shoes ?
9. Write the ten important parts and functions of travelling head cutting machine.

10. Describe the five important requirements each for insole fore part board and insole seat board.

 11. The leather produced from the tannery had 8% of the area shortage and 7% of the grade waste whereas the leather produced from the other tannery had 6% of the area shortage and 9% of the grade waste. Which lot will you buy ? Explain giving reasons.
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