

**B.Sc. FOOT WEAR TECHNOLOGY
(BSCFWT)**

**Term-End Examination
December, 2012**

**BFW-046 : ADVANCED MANUFACTURING
TECHNIQUE**

Time : 3 hours

Maximum Marks : 70

Note : Attempt all questions.

1. Fill in the blanks : 1x5=5
 - (a) Roughing is not required for _____ leather.
 - (b) PVC sole is wiped with _____.
 - (c) Nubuck is a _____ leather.
 - (d) Third wastage is also known as _____ wastage.
 - (e) Flay cut will appear on the _____ side of the skin.

2. Attempt **any five** questions. All questions carry equal marks. 5x5=25
 - (a) What are the different quality regions - If vegetable tanned leather ? How will you cut the leather from different regions of V.T.Leachur ?
 - (b) Discuss in brief the colour mixing and their relevance in repairing the shoe finish.

- (c) What are the important points to remember while cutting patterns from Goat glazed leather ?
- (d) Write property of cotton threads.
- (e) Explain the purpose of skiving machine. Dressing tool and pressure foot.
- (f) (i) What is purchase cost variance ?
(ii) Which type of clicking die is used for cutting synthetic materials ?

3. Attempt **any four** questions : **4x10=40**

- (a) Write down the operational use of the following materials in the Lasting Department.
 - (i) Buttress nail
 - (ii) Ultrasonic staple
 - (iii) Wire staple
 - (iv) Brass wire brush
 - (v) 28 grit emery paper
- (b) Discuss in brief the upper leather faults and their impact and rectification in finishing.
- (c) Explain needle points with neat diagram.
- (d) What are the different operations and why we do these operations for making leather sole ?

- (i) Splitting
 - (ii) Levelling and Roughing
 - (iii) Edge-Pre Trimming
 - (iv) Track Roughing
 - (v) Decoration sole
- (e) (i) A company is using cow corrected grain leather side of 10 sq.ft. grade B for a casual article (single component). The costing norm at size 8 is 2.36 sq.ft./pair by RSM. Due to some problems, the tannery started supplying hides of 20 sq.ft. of same grade will there be any change in the cutting norm ? If yes, give reasons for change. Also calculate the % change in the norms if the scale area of the component is given as 1.6 sq.ft.
- (ii) How the different types of leather defects are utilized while cutting full grain leather ?
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