

B.Sc. FOOTWEAR TECHNOLOGY (BSCFWT)

Term-End Examination

December, 2016

00253

**BFW-046 : ADVANCED MANUFACTURING
TECHNIQUE**

Time : 3 hours

Maximum Marks : 70

Note : All questions are compulsory.

1. (a) What are the points to remember while cutting cow suède leather for Men's Sandal ? 5

- (b) A shoe factory purchased 6000 sq.ft. of TR Leather @ 90 ₹/sq. ft. After regrading of the leather, the quality of A, B and C, grade found were 1200, 1700, and 1400 sq.ft; respectively. Calculate the profit/loss during the purchase of leather. 5

- (c) What are the advantages of sorting in case of cow nubuck leather ? $2\frac{1}{2}$

- (d) Why cannot we cut the leather in layers as it can be done in the case of synthetic materials ? $2\frac{1}{2}$

2. (a) Explain the sequence of operations for toe cap oxford upper with its quality specification. 10
- (b) Define Needle and explain its different parts with diagram. 10
3. (a) What are the different quality constraints of vegetable tanned leather ? How can you cut the component from different regions of V.T. leather ? 5
- (b) Write five different materials used for manufacturing soles. Write about the ideal qualities required for raw materials of sole(s). 5
4. Describe in brief about four systems of repairing a finished shoe. 10
5. Write down the sequence of operations of flat lasted cemented construction with diagram. Use M/C lasting process and P.V.C. sole. 10
6. Write down the uses of the following : $2 \times 2 \frac{1}{2} = 5$
- (a) Top thermal unit in toe conditioning
- (b) Distilled water