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BFW-046

B.Sc. FOOTWEAR TECHNOLOGY (BSCFWT)

Term-End Examination

December, 2015

**BFW-046 : ADVANCED MANUFACTURING
TECHNIQUE**

Time : 3 hours

Maximum Marks : 70

Note : *Attempt any **five** questions. All questions carry equal marks.*

1. (a) Explain the sequence of operations for toe cap Oxford upper with its quality specifications. 7
- (b) Define hook and explain its different parts. 7
2. (a) Describe in brief four systems of repairing a finished shoe. 7
- (b) Write down the uses of the following : 7
 - (i) Top thermal unit in toe conditioning
 - (ii) Distilled Water

3. (a) What are the different quality checkpoints of leather unit sole ? 7
- (b) Define welted leather unit sole and write down the names of machines involved in the manufacturing of leather unit sole. 7
4. What remedial actions will you take as a finishing incharge in the following cases ? $4 \times 3 \frac{1}{2} = 14$
- (a) If shade variation is there in shoe made of dyed nubuck leather.
- (b) If whiteness occurs on finished shoe.
- (c) If burnish leather bleeds.
- (d) If the shoe after finishing is not having sufficient gloss.
5. (a) What are the various defects found in the finished bottom leather ? How can we cut various bottom components by avoiding these defects ? 7
- (b) Discuss the important points to be considered while cutting Buff Calf burnish leather. 7

6. (a) Explain the purpose of skiving machine, dressing tool and pressure foot. 7
- (b) (i) What is the purchase cost variance ?
- (ii) Which type of clicking die is used for cutting synthetic materials ? 3+4
7. (a) Write down the operational use of the following materials in the lasting departments : 8
- (i) 28 grit emery paper
- (ii) Wire staple
- (iii) Buttress nail
- (iv) Brass wire brush
- (b) Explain the needle points with a neat diagram. 6
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