| **BFW-046**

B.Sc. FOOTWEAR TECHNOLOGY (BSCFWT)
Term-End Examination
June, 2014

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BFW-046 : ADVANCED MANUFACTURING TECHNIQUE

Time : 3 hours   *Maximum Marks : 70*

Note : *All questions are compulsory.*

1. (a) What will be the notch on the die of size 6 & size 10 ?

   (b) Differentiate between grading and sorting for leather.

   (c) Explain about area discrepancy for leather.   *3×2=6*

2. Attempt any *three* questions :   *3×3=9*

   (a) A shoe factory purchased 10,000 sq.ft. TR Leather @ ₹ 85/sq.ft. After regrading of the leather, the quantity of A, B, C grades were found to be 3,000, 5,000 and 2,000 sq.ft. respectively. Calculate the profit/loss due to purchasing of leather.

   (b) Write down any six quality parameters for checking cut components during final quality checking in Cutting Department.

(c) What are the advantages and disadvantages of RSM ?

(d) What is the purpose of grading ? Explain grading method followed by the tanneries.

3. What are the different types of leather unit soles ? Write the name of machines involved in manufacturing leather unit soles. *10*

4. Why are the following operations carried out ? *5×2=10*

(a) Sole Splitting

(b) Leveling and Roughing

(c) Edge Pre-Trimming

(d) Sole Bottom Snuffing

(e) Sole Seat Roughing

5. Describe any ten shoe finishing faults in brief and discuss their causes and remedies. *10*

6. Give one word answer. *5×2=10*

(a) It connects and disconnects the power from main channel to motor.

(b) It releases tension disc and raises pressure roller.

(c) It bears entire top mechanism.

(d) It adjusts top tension for good stitch formation, according to the material.

(e) Mechanism which controls motions of the fabric or materials.

7. Give temperature and pressure for the following : $2 \times 2\frac{1}{2} = 5$

   (a) Toe lasting machine

   (b) Cold mould of counter moulding machine

8. What are the methods adopted in the shoe industry for attaching insole to the last ? Define in short, at least four of them, and state their advantages. *10*

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