M.Sc. FOOTWEAR TECHNOLOGY (MSCFWT)

Term-End Examination

December, 2013

MFW-029 : ADVANCED MANUFACTURING TECHNIQUE

Time : 3 hours   *Maximum Marks : 70*

Note : *Attempt **any seven** questions. All questions carry equal marks. Use of Scientific Calculator is permitted.*

1. Differentiate between the following :   2x5=10
    (a) Oxford and Derby;
    (b) Folding and Trimming margin.

2. What is the procedure of calculating material   **10** allowance by table RSM method.

3. Explain the methods of leather grading in a   **10** tannery.

4. The tannery has supplied 12000 sq.ft. of leather   **10** of T.R 1 grade. The price is quoted as Rs. 80/- per sq.ft. When the leather is received in the shoe factory, following results are observed on checking of the lot :

Grade	Quantity
A	2900 sq. ft.
B	3850 sq. ft.
C	5250 sq. ft.

    Calculate purchase cost variance in term of profit (+) or loss (−).

5. Explain the different types of reinforcements and also mention their usage.　　**10**

6. Explain the open seam and indirect eyelet with diagram.　　**10**

7. Name ten important parts and state their functions of a travelling head cutting press machine.　　**10**

8. Define the following operations related to the insole manufacturing :　　**2x5=10**

   (a) Grooving ;

   (b) Bevelling.

9. Write down the sequence of operation in the lasting department for a moccasin shoe using following component's (write the names of operations only).　　**2x5=10**

   (a) Leather upper

   (b) Leather unit sole with mesonile heel.

10. Name any five constructions and show them diagrammatically. Write down the sequence of operation of any one of them.　　**10**

———————