No. of Printed Pages : 4

MFW-041

M.Sc. IN CREATIVE DESIGN CAD/CAM (MSCCRD)

Term-End Examination

00224

June, 2015

MFW-041 : FOOTWEAR TECHNOLOGY – I

Time : 3 hours *Maximum Marks : 70*

Note :

(i) *All questions are **compulsory** from Section A and C.*

(ii) *Attempt any **four** questions from Section B.*

(iii) *Standard notations and symbols have usual meaning.*

SECTION A

1. Explain the following in brief : *5×3=15*

(a) Explain the use of size notches in cutting dies. What will be the notch on the die of size 7 and size 11 ?

(b) Draw a hide and show its different quality regions and lines of tightness.

(c) What are the parameters of sorting in case of Full Grain Cow leather ?

(d) What is the use of a grading tool ? Draw the fully dimensioned diagram of a grading tool.

(e) What do you understand by Pattern Scale area in RSM ? Describe.

SECTION B

*Attempt any **four** questions.* *4×5=20*

2. Write step-by-step procedure for calculating scale area through Zero Degree Method of RSM in case of Buff C.G. leather.

3. How is leather stored in a shoe factory ? Explain the controlling parameters.

4. A shoe factory purchased 8,000 sq.ft. TR leather @ 90 ₹/sq.ft. After regrading of the leather, the quantity of A, B, C grade was found to be 2500, 3500, and 2000 sq.ft. respectively. Calculate the profit/loss on purchase of the leather.

5. Write down the different parts of swing arm clicking press machine and explain their function.

6. Write down the factors responsible for the record wastage of RSM.

7. What is the purpose of grading ? Explain the method of grading followed in shoe factories.

SECTION C

*Attempt **all** questions.*

8. Explain the quality specifications of a leather upper making. *10*

9. Name and explain the two cutting edges and points with the help of a diagram. *5*

10. Write down the sequence of operation for hand turnover binding. Briefly explain it using a diagram. *5*

11. Explain the following : *10*

(a) Butt

(b) P Point

(c) 134 KK System

(d) Close Row Edge Skives

(e) Shelf Life

12. Write a short note on the properties of synthetic threats. *5*