

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

Term-End Examination

00161

December, 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) What will be the notch size on the die of size 8 and size 10 ? Describe with a diagram.
- (b) Draw a side and show different quality regions and lines of tightness in the side.

- (c) What are the parameters of sorting in case of goat glazed leather ?
- (d) What is the use of P.P. board during machine cutting ? What care should be taken during the use of P.P. board ? Discuss.
- (e) What do you understand by total gross area in RSM ? Describe.

SECTION B

Attempt any **four** questions.

4×5=20

2. Write the step-by-step procedure for calculating the scale area through 180 Degree method of RSM in case of Buff C.G. leather.
3. What is the use of a grading tool ? Explain all the steps followed by a leather grader during the area measuring of a goat skin (25 sq.dm.).
4. What are the advantages and disadvantages of machine cutting ? Explain.
5. A shoe factory purchased 10 sq.ft. TR leather @ ₹ 60/sq.ft. After regrading of the leather, the quantity of A, B and C grade was found to be 2500, 3500 and 4000 sq.ft., respectively. Calculate the profit/loss during purchasing of leather.
6. Write down different types of clicking knives and their uses.
7. What is the purpose of grading ? Explain the methods of grading followed by the tanneries.

SECTION C

Attempt *all* questions.

8. Explain, with the help of a diagram, the step-by-step procedure for English binding. 5
9. Elaborate on the salient features and specifications for children vinyl upper. 5
10. Classify hooks in sewing machines. 2
11. Name the different types of finishes in needles. 2
12. Describe any one type of feed roller used in skiving machines. 2
13. Explain four cutting edges points in brief. 3
14. Define hook and explain its parts and their functions. 5
15. Discuss the properties of cotton threads. 5
16. Explain any *two* of the following : 2×3=6
 - (a) Shank
 - (b) Round Point
 - (c) 134 Systems
 - (d) Open Raw Edge Shines
 - (e) Shelf Life