

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

Term-End Examination

00572

December, 2011

MFW-041 : FOOTWEAR TECHNOLOGY - I

Time : 3 hours

Maximum Marks : 70

PART - A : CUTTING

*Section - A is compulsory. Five questions from
Section - B and Two questions from Section - C.*

SECTION - A

1. State whether the following assertions are True or False : 5x1=5
- (a) During cutting line of tightness of component should perpendicular to line of stretch.
 - (b) Style A has 3 components per odd and style B.
 - (c) Nubuck is corrected grain leather.
 - (d) In gross area of component 1st and 2nd wastage is included.
 - (e) In offal area we can take lasting margin of vamp.

SECTION - B

2. Explain Briefly. (*Any five*) 5x2=10

- (a) Why the eyelet facing must be stronger ?
- (b) Why the inside quarter can be taken up from the lower grade leather then the outside quarter ?
- (c) What is the difference between Corrected Grain Leather and Full Grain Leather ?
- (d) Define purchase cost variance.
- (e) How we sort the leather ?
- (f) What do you understand by material cost allowance ?
- (g) Draw a hide and show : Line of tightness and Line of stretch.

SECTION - C

Attempt *any two* :

2x10=20

3. Write step-by-step procedure for calculating scale area through 180° method of RSM.
4. Explain the procedure of calculating material allowance of synthetic material by applying graphical method.
5. Explain the purpose of leather grading. Explain the grading with reference to design.
6. Why we are using leather for high quality shoes ? Explain.

PART - B

CLOSING

7. Fill in the blanks : 5x1=5

- (a) The diameter of a blade of size 120 is _____ in metric system.
- (b) We use _____ twist thread in closing department.
- (c) In shallow skiving, depth tapers down at _____ degree angle leaving 1/3 of material thickness at tapered edge.
- (d) Skiving width for folding should be _____ the folding margin.
- (e) Dressing tool is used for _____ machine.

8. Write down thread consumption formula for chain stitch formation. 2

9. Write down the sequence of making French binding (with diagram). 4

10. Describe 438-needle system (with diagram). 4

11. Write a short note on construction of threads. 4
12. Write down different types of adhesive used in closing department. 8
13. What is seam ? Write short notes on following seams. 8
- (a) Brooklyn seam
 - (b) Screening
 - (c) Bagged edge
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