

00235

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

**Term-End Examination**

**June, 2012**

**MFW-041 : FOOTWEAR TECHNOLOGY - I**

*Time : 3 Hours*

*Maximum Marks : 70*

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*Note : Attempt all questions.*

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1. **Fill in the Blanks :** **5x1=5**
- (a) During cutting line of tightness of shoe component should run \_\_\_\_\_ to the line of stretch.
  - (b) Style "A" has 3 component per odd and style "B" has 7 component per odd, 2<sup>nd</sup> wastage will be more in style\_\_\_\_\_ .
  - (c) Normally, \_\_\_\_\_ allowance in shoe component is 0.4 to 0.5 cm.
  - (d) Shade variation is a defect in the case of \_\_\_\_\_ leather.
  - (e)  $G = S ( \text{_____} + 2 S/A )$  in case of  $S/A > 0.185$ .

2. Explain Briefly the following questions : 5x2=10
- (a) What is the use of size notches ? What will be the notch on the die of size 10 ?
  - (b) Draw a side and show different quality regions and lines of tightness in the side.
  - (c) What are the advantages of sorting in case of goat glazed leather ?
  - (d) What is the purpose of leather grading ?
  - (e) What do you understand by grass area in RSM ?
3. Write down step-by-step procedure for calculating scale area through 180° method of RSM. 4
4. How do we store the leather ? Explain the controlling parameters too. 4
5. "X" shoe factory purchased 4000 sq. ft. TR leather @ 70 Rs/Sq. ft. After regrading of the leather, the quantity of A, B, C grade found respectively 900, 1500 and 1200 sq. ft. Calculate the profit/loss during purchasing of leather. 4
6. Draw a diagram of clicking press and show various parts of the clicking press. 4

7. Write ten quality parameters for checking upper leather. Briefly explain about the procedure for the same. 4
8. **Short Answer Question :**
- (a) Name two types of needle thickness. 2
- (b) What are the four cutting edges points for dry and hard leather ? 3
- (c) Name any five main qualities of threads. 5
- (d) Write down the formula of thread consumption in lock stitch and chain stitch. 2
- (e) Name three types of knife in skiving machines. 3
9. **Long Answer Questions :**
- (a) Write down the sequence of operation for shallow Bagged Topline with diagram. 5
- (b) Write down the properties of polychloroprene adhesives. 5
- (c) Define "reinforcements". Name any two types of reinforcements use in closing department. 5
- (d) Explain different types of skiving done in closing department. 5
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