

**M.Sc. FOOTWEAR TECHNOLOGY
(MSCFWT)**

Term-End Examination

June, 2012

**MFW-029 : ADVANCED MANUFACTURING
TECHNIQUE**

Time : 3 Hours

Maximum Marks : 70

Note : Attempt any seven questions. All questions carry equal marks. Use of calculator is allowed.

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1. Describe sizing system in detail. 10
 2. In relation to slip on, what will be the total length and width (mm) of the U binding pattern to be stitched by cylinder arm machine ? 10
Given conditions :
 - (a) Half length of strip is 160 mm
 - (b) Visible width of strip is 08 mm. give reasons for the same.
 3. Explain in brief : 5x2=10
 - (a) What is the difference between first waste and second waste in RSM ?
 - (b) Explain table run method of leather grading.
 - (c) What is area coefficient ?
 - (d) What is the purpose of leather grading ?
 - (e) What do you understand by blocked off area in SLM ?

4. Explain the procedure of calculating material allowance of synthetic material by tracing method. 10
5. Write down sequence of operation's for baby derby upper assembly. 10
6. What do you understand by skiving ? Explain any five parts of it briefly. 10
7. Insole board cost Rs 250/ sheet. Shank board cost Rs. 200/ sheet, steel shank cost Rs. 2/ pair, Rivets Rs. 0.10/Pc, glue Rs. 80/ liter. The production capacity 4000 pairs a day and labour cost Rs 15,000/ month. Cost of plant and machinery is Rs. 35,000,00. Find the costing of one pair of Insole if the over head's cost is Rs. 12,00,000 per year and the owner want profit of 20%. 10
8. What are various quality region of V.T leather ? Explain with the help of diagram. 10
9. Draw outline of an insole, showing the location and direction's of drafting pull's. 10
10. Write down the definitions of the following : 5x2=10
 - (a) Lasting
 - (b) Pounding
 - (c) Scouring
 - (d) Roughing
 - (e) Sole spotting