

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

Term-End Examination

December, 2012

**MFW - 027 : INTRODUCTION TO
MANUFACTURING TECHNIQUE**

Time : 3 hours

Maximum Marks : 70

Note : *Attempt any seven questions. All questions carry equal marks.*

1. Why do we provide following margins ? 10
(a) Gimping (b) Collar Seam
2. Why do we provide lasting margin in stuck on construction ? Is it necessary to reduce lining in lasting margin ? Give reasons. 10
3. Explain in brief (*any five*) 5x2=10
 - (a) What is the use of Aluminium strike plate ?
 - (b) What are the methods of making clicking dies ?
 - (c) How to set the clicking press to operate it ?
 - (d) Why two buttons are given to push to operate the clicking press ? Explain.
 - (e) Draw the diagram of CPE 4 and CPE 8 and show cutting directions.
 - (f) Why synthetic materials are cut in layers ? Explain.

4. Answer *any two* of the following : 2x5=10
- (a) What are the safety points one should remember while operating bench grinder ?
 - (b) Show different types of hand cutting blades with diagram and explain their application.
 - (c) Name all parts of clicking press and explain their function.
5. Discuss the safety points while working on machines. 10
6. Write down the pre - operation check points and also define the types of finishes in needles. 10
7. State *True* or *False*. 5x2=10
- (a) Toe - puff is used between upper and lining at the back part of shoe.
 - (b) PVC stands for Poly Vinyl Carbon.
 - (c) Leather board is used for making leather unit sole.
 - (d) Leather, wood pulp and waste paper are non fibrous.
 - (e) Solvent activated counter stiffner is used in hand lasting.

8. Attempt *any four* questions : 4x2.5=10

- (a) What is continental insole ? Write the sequence of operation for making continental insole.
 - (b) Write the procedure for selection of shank length for a particular last.
 - (c) What are the various methods for manufacturing fibre boards ? Explain Fourdrinier machine with diagram ?
 - (d) How will you set Travelling head cutting press machine for a particular die ? Explain.
 - (e) Write six important parts and function of skiving machine.
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