

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

Term-End Examination

June, 2013

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

Time : 3 hours

Maximum Marks : 70

Note : Section A is compulsory, answer any eight questions from Section-B and any eight questions from Section-C.

SECTION - A

1. State whether the following assertions are true or false. 14x1=14
- (a) When fitting of footwear, only one foot must be measured.
 - (b) Feather line runs along the top of the Quarters.
 - (c) Toe spring and Heel height are inversely proportional for a particular last.
 - (d) There are twenty - eight bones in the foot.
 - (e) Line of stretch is sometimes also known as line of tightness.
 - (f) Butt of leather can be used for cutting tongue pattern of shoes.
 - (g) The lines of tightness in a shoe run from heel to toe while cutting.

- (h) Mudguard is the part of shoe upper.
- (i) In suede leather buffing is done on flesh side.
- (j) Layer of material placed in between the outsole and insole is called midsole.
- (k) The top surface or walking surface of heel is called as top piece.
- (l) Leather board is used for making leather unit sole.
- (m) Leather, wood pulp and waste paper are non fibrous.
- (n) Solvent activated counter stiffener is used in hand lasting.

SECTION - B

Answer **any eight** questions.

8x2=16

2. Write down the difference between the Derby and Slip-on shoes. 2
3. List down the difference between the English and French Sizing systems. 2
4. Why do we provide Folding Collar seam margins ? 2
5. Why the inside part of the Vamp can be taken up from the lower grade leather than the outside part of the vamp ? 2
6. Write down the types of hand cutting blades. 2
7. Why the topline must be stronger ? 2
8. Cutting board of which material issued in clicking machine and why ? 2
9. How many dies we use at one time for leather cutting and why ? 2
10. What is the underlay allowance ? 2
11. Describe the purpose of making layout ? 2
12. Write about the various types of insoles. 2
13. Define the following : 2
 - (a) Throat Plate
 - (b) Face Plate

SECTION - C

Answer **any eight** questions.

8x5=40

14. Show the following with neat diagram. 5
(a) Lines of tightness in Derby shoe parts.
(b) Different quality regions in Derby shoe parts.
15. Explain various properties of leather. 5
16. Write down the different parts and functions of clicking press. 5
17. Explain any ten types of stitching machines in closing department. 5
18. Explain different types of motors in stitching department. 5
19. Name and explain different types of tools used in closing department. 5
20. Write the ten important parts and functions of travelling head cutting machine. 5
21. What are the various methods for manufacturing fibre boards? Explain cylinder vat machine with diagram. 5

22. What is continental insole ? Write name of machine used for making insole and their function. 5
23. Define 'sole'. Write the ideal properties for soling materials. 5
24. Write the six important parts and functions of skiving machine. 5
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