

00471

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

**Term-End Examination**

**December, 2013**

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

*Time : 3 hours*

*Maximum Marks : 70*

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*Note : Section-A is compulsory. Answer any eight questions from Section-B and any eight questions from Section-C.*

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**SECTION - A**

1. State whether the following assertions are **true** or **false**. **14x1=14**
- (a) The English - scale begins zero at four inches.
  - (b) French sizing system is also known as continental sizing system.
  - (c) Metatarsus group consists of five metatarsals (long bones) .
  - (d) Oxford shoe having its name because of Oxford University.
  - (e) The thickness range of sheep leather is from 1 mm to 1.75 mm.
  - (f) Generally the sheep skin has more defects than the buff leather.
  - (g) Leather can be cut in layers.

- (h) Deep curve knives are used for cutting of thick leather.
- (i) Patent leather can be used in shoe making.
- (j) Toepuff is used between upper and lining at the backpart of shoe.
- (k) PVC stands for poly vinyl carbon.
- (l) Chrome tanned leather is used for making leather unit sole.
- (m) Insole board is non-woven board.
- (n) Resin, Alum and Latex are non - fibrous.

### SECTION - B

Answer *any eight* questions.

**8x2=16**

- 2. Write down the difference between the derby and oxford shoe.
- 3. List down the difference between the folding and trimming margins.
- 4. What is the use of leather horse ?
- 5. Describe the use of potentiometer ?
- 6. What is the use of N1, N2 and N3 button ?
- 7. Explain the splitting of leather.
- 8. Draw the side and show the quality numbers in the neck region.
- 9. What is the use of grinding machine ?

10. Write down the tools used for making cutting blades ?
11. Define “shank” and “shaft” in machine stitching.
12. Write down about the continental insole.

### SECTION - C

Answer any eight questions.

8x5=40

13. Write down safety precaution while working on the machines (stitching) .
14. Name the types of finishes in needles with explanation.
15. Write down pre-operation check-points in stitching department.
16. List down the safety points while working on the clicking press.
17. What are the methods of die storage in clicking department ?
18. Draw the diagram of side and show the various quality regions and lines of tightness in all quality regions.
19. Write the procedure for selection of shank length for a particular last .

20. What are the various methods for manufacturing of fibre boards ? Explain Four drinier machine with diagram.
  21. How will you sit travelling head cutting press machine for a particular die ?
  22. Name three different companies manufacturing Insole board and Shank board each. Write the dimension of insole board and shank board.
  23. Write six important parts and function of skiving machine.
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