

M.Sc. FOOTWEAR TECHNOLOGY (MSCFWT)

00294

Term-End Examination

June, 2014

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

Time : 3 hours

Maximum Marks : 70

Note : All questions are compulsory.

1. What is a last ? Explain the main types of last. 5
2. What do you understand by sizing systems ?
Briefly explain English and French sizing systems. 5
3. Differentiate among Oxford classic, Casual and Sporty styles. 5
4. Explain in brief the following : 2×4=8
 - (a) How can we use an offal area during derby layout making ?
 - (b) Why is proper pressure setting a must before start of using clicking press ?

- (c) For synthetic cutting, what types of dies are used ? Explain their advantages.
- (d) What is the use of deep curve blades for hand cutting ?

5. Explain in brief the following : *3×4=12*

- (a) Write the safety precautions to be followed in Clicking Department.
- (b) Explain the procedure of making hand cutting blade on bench grinder.
- (c) Explain the different types of clicking dies and their applications.
- (d) Draw a cow side and show different quality regions and line of stretch in each quality region of the side.

6. Explain the following : *1×5=5*

- (a) Treadle
- (b) Pulley
- (c) Throat Plate
- (d) Face Plate
- (e) Tension Disk

7. Explain different types of stitching machines in Closing Department. *5*

8. Explain different types of motors in Stitching Department. 5
9. Name and explain different types of tools used in Closing Department. 5
10. Explain in brief the following : $5 \times 3 = 15$
- (a) Write the ten important parts and functions of Travelling Head cutting machine.
 - (b) What is Continental insole ? Write the name of machine used for making insole and their functions.
 - (c) Define the following terms :
 - (i) Rubber Sole
 - (ii) Ribbed Insole
 - (iii) Solvent-activated Toe-puff
 - (iv) Heat-activated Counter Stiffener
 - (v) Welt
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