

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

**Term-End Examination**

00255

**December, 2014**

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

*Time : 3 hours*

*Maximum Marks : 70*

**Note : All questions are compulsory.**

---

---

1. Differentiate among Derby, Oxford and Slip-on. 5
2. Define French Sizing System and briefly explain the incremental values. 5
3. Draw a sketch of model last showing its main parts. 5
4. Explain in brief : 4×2=8
  - (a) What is the use of Aluminium plate ?
  - (b) Write about the function of clicking swing arm.

- (c) Draw the diagrams of CPE3 and CPE6 and show cutting direction in each.
- (d) For effective productivity, how do we cut synthetic materials ?

5. Explain in brief : 3×4=12

- (a) Name all the parts of clicking press and their functions.
- (b) Draw a cow hide and show different quality regions and line of tightness in each quality region.
- (c) What are the advantages of making layout ? Write important points to remember while making Oxford layout on Cow C.G. leather.

6. Write down safety precautions while working on closing machines. 5

7. Write down pre-operation check points. 5

8. Explain classification of machines used in leather industry. 5

**9. Explain the following :**

**5**

- (a) Feed Dog
- (b) Shank
- (c) Shaft
- (d) Scarf
- (e) Head Groove

**10. (a) Write the procedure for selection of shank length for a particular last.  $3 \times 5 = 15$**

(b) How will you set travelling head cutting press machine for a particular die ?

(c) Define the following terms :

- (i) TPR Sole
  - (ii) Blended Insole
  - (iii) Types of Toe-Puff
  - (iv) Counter Stiffener and its use
  - (v) Masonite Heel
-