

**M.Sc. IN CREATIVE DESIGN CAD/CAM
(MSCCRD)**

Term-End Examination

December, 2015

MFW-044 : FOOTWEAR TECHNOLOGY - II

Time : 3 hours

Maximum Marks : 70

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

1. Write the five different materials used for manufacturing insoles. Also write the ideal qualities for insoling material. 10
2. What are the different types of leather unit soles ? Also write the names of the machines involved in manufacturing leather unit soles. 10
3. What are the different types of insoles ? Also write the sequence of operations for making continental insole. 10
4. What are the various steps in manufacturing fibre boards in Fourdrinier machine ? Explain with the help of a diagram. 10

5. Draw the cross-sectional diagrams of the following and give examples of their application : $4 \times 2 \frac{1}{2} = 10$
- Flat Lasting
 - Force Lasting
 - Rib Lasting
 - Flanged Lasting
6. Explain the need of the following operations in shoe making : $4 \times 2 \frac{1}{2} = 10$
- Moisture during heat setting of leather footwear
 - Heel crowning
 - Sole priming
 - In-process quality control
7. Write down the sequence of operations of cement lasted shoes. Draw a labelled cross-sectional diagram. 10
8. Draw a labelled hand lasting drafting pulls diagram with directions. Also explain the process. 10
9. Name and explain all the tools required to make a complete shoe. 10
10. Name all the machines used step-by-step in the stuck on process in machine lasting. 10