

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

**00435 Term-End Examination
December, 2014**

MFW-044 : FOOTWEAR TECHNOLOGY - II

Time : 3 hours

Maximum Marks : 70

Note : Attempt any ten questions. All questions carry equal marks.

1. Define the following terms : 7
 - (a) Counter stiffener
 - (b) Heel crowning
 - (c) Sole spotting
 - (d) Delasting
 - (e) Priming
 - (f) Heat setting
 - (g) Buttress Nail
2. Describe the various designs of steel shank. Which design is used in footwear manufacturing ? 7
3. What is blended insole ? Write the names of the machines involved in manufacturing of insole. 7
4. Name the four different materials used for manufacturing soles. Also list the ideal qualities for soling material. 7

5. Define and describe the need for the following operations in footwear industries : 7
 - (a) Riveting
 - (b) Stamping
 6. Write ten important parts of travelling head cutting press machine and, also explain their functions. 7
 7. A buyer gives a sample of Ribbed Insole to your factory. Describe the process comprising of sequence of operations that you will use to start its production in the factory. 7
 8. What do you understand by the term "Quality Check-point" ? Write down ten of them in a complete stuck-on shoe with goat leather upper and PVC sole. 7
 9. Draw a labelled cross-sectional diagram of San Crispino and Moccasin construction. 7
 10. Discuss the various methods adopted in the shoe industry for attaching insole to the last. 7
 11. Draw a diagram of last bottom showing drafting pulls and explain the significance of each pull. 7
 12. Describe the methods of insole attachment. 7
 13. Briefly discuss the different types of heat setters. 7
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