

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

00012

**Term-End Examination**

**June, 2014**

**MFW-036 : LASTING**

*Time : 3 hours*

*Maximum Marks : 70*

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

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1. What is the Heat Setting ? Explain different types of Heat Setters. 10
2. Write down ten safety measures to be followed in the lasting work lab. 10
3. How do you process the following soling material while attaching to the leather upper : 5×2=10
  - (a) TPR
  - (b) EVA
4. What types of adhesive would you generally use in the lasting department. Name and explain their usage. 10

5. Describe point by point the sequence of operation for Goodyear welted on construction of full shoe making using hand lasting method. 10
6. Write down the function of the following parts in the machines :  $2\frac{1}{2} \times 4 = 10$
- (a) Flanging Device
  - (b) Insole Rest
  - (c) Toe Pad
  - (d) Wire Brush
7. Draw cross-sectional diagram of the following and give examples of its application :  $2\frac{1}{2} \times 4 = 10$
- (a) Flat Lasting
  - (b) Force Lasting
  - (c) Rib Lasting
  - (d) Flanged Lasting
8. Define the need of the following operations in shoe making :  $2\frac{1}{2} \times 4 = 10$
- (a) Moisture during heat setting of the leather footwear
  - (b) Heel crowning
  - (c) Sole priming
  - (d) In process quality control

9. What actions should you take if you observe the following problems in a mechanized shoe manufacturing?  $2\frac{1}{2} \times 4 = 10$

- (a) Wrinkle in the Toe above the feather edge.
  - (b) Insole bending after Lasting.
  - (c) Change in the finish of Upper after Heat Setting.
  - (d) Adhesion failure of the Outsole.
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