

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

Term-End Examination

December, 2013

MFW-036 : LASTING

Time : 3 hours

Maximum Marks : 70

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

1. What are the different links of adhesion ? Give 10
the reason for weaknesses of each link.

2. What are the purpose of the following : 5x2=10
 - (a) Hot - mould in counter moulding m/c.
 - (b) Cold - mould in counter moulding m/c.
 - (c) Injector in Toe - lasting m/c.
 - (d) TCF in Toe - lasting m/c.
 - (e) Toe - band in Toe - lasting m/c.

3. What is Heat Setting ? Give the basic Parameters
(Temperature, Time, Steam requirement) of heat
setting for the following upper materials. 2x5=10
 - (a) PU coated fabric.
 - (b) Full Chrome Leather.

4. What is the Purpose of solvent while attaching Toe - Puff and counter - stiffner ? Write at least three solvents used for this purpose. 10
 5. Draw the out line of an insole. Showing the locations and directions of drafting pulls. 10
 6. What do you understand by the "Quality Check Points" ? Write down ten of them in a complete stuck - on shoe with goat leather upper and PVC sole. 10
 7. Describe point by point the sequence of operations for stuck - on construction in full shoe making in by using hand lasting method. 10
 8. What is a grit in an abrasive ? Write down the grits used for following applications. 2x5=10
 - (a) Scouring of lasted margin.
 - (b) Re Pairing of Grain.
 9. What are the methods adopted in the Shoe Industry for attaching in sole to the last ? Define in short at least four of them and state their advantages. 10
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