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

**Term-End Examination  
June, 2012**

**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. Describe use of abrasives in shoe making with 10 examples.
  
2. Write down the sequence of operation in the casting department for a moccasin shoe using following components : 5x2=10
  - (a) Leather upper
  - (b) Leather unit sole with masonite heel.
  
3. Write down the definition's of the following : 5x2=10
  - (a) Construction
  - (b) Lasting
  - (c) Rib Lasting
  - (d) Pounding
  - (e) Force Lasting

4. Explain the following : 5x2=10
- (a) What do you understand by specific and mechanical adhesion?
  - (b) Why hardner's are used in adhesives ?
  - (c) Why U.V pigmented is used in T.P.R primer ?
  - (d) What is the purpose of heat setting ?
  - (e) What is the purpose of heel crowning ?
5. Give reason for the following : 5x2=10
- (a) Seat part damaged during seat lasting.
  - (b) Upper stretcing too much during toe lasting.
  - (c) Upper cracking at toe lasting.
  - (d) Defect visible after finishing of corrected grain leather shoes.
  - (e) Sole opening at feather edge.
6. Write down the preparation required for the following sole materials and adhesive used while attaching them with leather uppers. 5x2=10
- (a) Micro celluar Rubber
  - (b) EVA
  - (c) TPR
  - (d) Leather sole
  - (e) P.u
7. In lasting of toe cap oxford shoes more than 50% 10  
of shoes got torn from the toe cap stitching. State the various reasons and what corrective measures would you suggest in cutting, closing and lasting department .

8. Discuss the advantages and short comings of hand lasting over machine lasting. 10
  9. While doing toe lasting is it that the upper gets damage or insole gets bend. What are the major reason's for this ? How would you reactify it ? 10
  10. Outline the sequence of operation and machine involved in the lasting up to sole attachment of women's cemented lasting court shoe with PVC unit sole. 10
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