

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

**Term-End Examination  
December, 2012**

**MFW-036 : LASTING**

*Time : 3 hours*

*Maximum Marks : 70*

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

1. Write down the sequence of operations of flat lasted cemented construction with diagram. Use machine lasting process and PVC sole. **10**
2. Write down the use of the following : **5x2=10**
  - (a) Top thermal unit in toe conditioning.
  - (b) Distilled water
  - (c) Wiper plate
  - (d) Chiller
  - (e) Heel crowning
3. What type of adhesive's would you generally use in the lasting department ? Name and explain its usages. **10**

4. What do you mean by the term "construction" in footwear ? Give examples of three construction's and name the intermediate component's in them. 10
5. Draw a diagram showing the hand drafting pull's. Write the position's of the pull's and the checks after giving the drafting pulls. 10
6. Fill in the blanks : 10x1=10
- Moulded shoe construction includes \_\_\_\_\_ and \_\_\_\_\_ .
  - Veldscheon falls in to the category of \_\_\_\_\_ construction.
  - \_\_\_\_\_ types of insole is use for sandal's.
  - Shank is used to give support to \_\_\_\_\_ of the foot and bears the \_\_\_\_\_ .
  - \_\_\_\_\_ toe cap (toe puff) is especially used for safety shoes.
  - Platform is used in \_\_\_\_\_ construction.
  - \_\_\_\_\_ % of hardner is mixed with P.U. adhesive.
  - \_\_\_\_\_ used for counter activation for hand lasting.
  - Counter that are activated by heat are \_\_\_\_\_ in nature.
  - Shape retention can be achieved by \_\_\_\_\_ .

7. Define the following : 5x2=10
- (a) DMS
  - (b) Thermoplasticity
  - (c) Carbon paper test
  - (d) Hinge in a last
  - (e) Priming
8. What is lasting ? What are the different lasting down methods ? Draw labelled diagram. 10
9. Give the reasons for the following : 5x2=10
- (a) Toulene is preferred over MEK for activation of toepuft during hand lasting.
  - (b) Semi chrome leather requires lower heat setting temperature.
  - (c) MCKAY stitch is used in moccassin shoe.
  - (d) PVC sole is MEK wiped before cementing.
  - (e) Bottom filler is used in flat lasted foot wear.
10. Write down the definitions of the following : 5x2=10
- (a) Lasting margin
  - (b) Lasting up
  - (c) Last
  - (d) Heel Nailing
  - (e) String lasting
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