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MFW-036

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M.Sc. FOOTWEAR TECHNOLOGY (MSCFWT)

Term-End Examination

June, 2013

MFW-036 : LASTING

Time : 3 hours *Maximum Marks : 70*

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

1. State **True** of **False** : **1x10=10**

(a) Leather board is used for making insoles.

(b) A two dimentional form in the shape of foot is called last.

(c) Wooden lasts are better than PVC lasts.

(d) Moccassin can be made by force lasting.

(e) A shoe can be made without insole.

(f) A half insole can be made without matching bottom profile of the last.

(g) A welt is usually found on a ladies sandal.

(h) Polychloroprene can be used to paste leather soles.

(i) Hot melt adhesives are used for sole attaching .

(j) Tack's are used for heel nailing.

2. Out line the sequence of operation's and machines involved in lasting up to the sole and heel attachment of women's cemented lasted court shoe. **10**

3. Define the following : **2x5=10**
   (a) DVP
   (b) Thermoelasticity
   (c) Pounding
   (d) Roughing and Scouring
   (e) Sole Spotting.

4. Write down the use of the following : **2x5=10**
   (a) Toe mulling
   (b) Toe pad
   (c) Injector in Toe lasting machine.
   (d) Sole pressing
   (e) Hot mould in counter moulding machine.

5. What types of grinders would you generally use in the lasting department ? Name and explain its usage. **2x5=10**

6. Create a flow chart diagram for sole attaching process for a shoe made of following substrate : **2x5=10**
   (a) Leather upper and P.U. sole
   (b) Fabric upper and T.P.R. sole

7. Draw the cross sectional diagram of veldcheon shoes and write the sequence of operation with MCR sole and jute upper. 10

8. What are the reason's for the following ? 2x5=10

(a) Pleats above the feather line after toe lasting.

(b) Adhesion failure of TPR soles.

(c) Upper material failure during sole adhesion.

(d) Purpose of heat setting.

(e) Upper stretching too much during toe lasting.

9. Write down the definition's of the following : 2x5=10

(a) Tacks and Nails

(b) Pressure sensitive adhasive

(c) Sole marking

(d) Chilling

(e) Bottoming

10. In lasting of toe cap Oxford shoes more than 50% of shoes got torn from the toe cap stitching area. State the various reasons. What corrective measures would you suggest in cutting, closing and lasting department ? 10