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MFW-044

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M.Sc. IN CREATIVE DESIGN CAD/CAM (MSCCRD)

Term-End Examination

December, 2011

MFW-044 : FOOTWEAR TECHNOLOGY - II

Time : 3 hours *Maximum Marks : 70*

Note : *There are **three Sections**. **Section A** and **Section B** are **compulsory**. Attempt **any two** questions from **Section C**.*

SECTION - A

1. Fill in the blanks : **10x1=10**

(a) Solvent activated toe puffs are dipped in _____ for activation.

(b) Thermoplastic toe puff is coated with _____ adhesive.

(c) _____ heat setter machine is used for synthetics.

(d) Backpart lasting is done by _____ mm tacks.

(e) _____ construction is also called flat lasting.

(f) White coloured adhesive used in toe lasting machine is _____ .

(g) _____ is an example of lasting up.

(h) Solvent used for wiping of PVC sole _____ .

(i) _____% hardner is mixed in PU adhesive.

(j) Temperature at which polyamide adhesive melts is _____.

SECTION - B

2. Name the different methods of lasting with relevant examples. **15**

3. Give *one* word for the following : **10x1=10**
   (a) How much gap is provided while lacing a derby upper prior to lasting.
   (b) 4th drafting pull falls on which area of last.
   (c) What material is used on roughing wheel while working on heavy leather.
   (d) What is the length of big tacks used in forepart while lasting.
   (e) Name a tool used to pluck out the tacks from shoe.
   (f) Name the basic tool required for hand lasting.
   (g) Stuck on construction can also be called as.
   (h) The adhesive used for sole attachment.
   (i) Which chemical is used for activation of solvent activated toe-puff.
   (j) What chemical is used in wiping of PVC sole ?

4. State whether the following statement is *True / False* : **5x1=5**
   (a) Outside quarter of the upper is always 2-3 mm above the inside quarter.
   (b) Cement construction is the example of indirect construction.
   (c) Temperature for PU reactivation is 80-85°C
   (d) Scouring is done to raise the fibres of the leather for adhesive penetration.
   (e) Priming is done in leather soles.

SECTION - C

Attempt ***any two*** of the following :

5. Write down the sequence of operation for a derby upper with a TPR Sole. **15**

6. Show the direction and positions of 12 drafting pulls with the help of a diagram. **15**

7. Differentiate between the following : **5x3=15**
   (a) Infrared heat setter and High velocity air setter.
   (b) Course grit and Fine grits.
   (c) Thermoplastic toe puff and Solvent activated toe puff.
   (d) Polyamide and Polyester.
   (e) Roughing and Scouring