

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

Term-End Examination

December, 2013

MFW-047 : FOOTWEAR TECHNOLOGY - III

Time : 3 hours

Maximum Marks : 70

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

1. Give a flow diagram of the two systems of finishing. **10**
2. What remedial action you will take as finishing incharge , if **2.5x4=10**
 - (a) Whiteness occurs on finished shoe.
 - (b) The shoe after finishing is not having sufficient gloss.
 - (c) Shade variation in shoe made of dyed nubuck leather.
 - (d) Defects appear on the shoe surface made of corrected grain burnish finish leather on hard brushing.
3. A company in Noida has received an order of **10**
20,000 pairs of slip - on shoes to be cut in buff calf F/G burnish brown colour. Lining is a D/D buff lining in beige colour and sole is of TPR. Thread used is 20/3 and 60/3 nylon beige 3 ply threads and there is a steel buckle on the saddle. The company supervisor has recommended finishing system, which is given below.

Lasted upper + P1-S (brown) + heat setter (120 degree) + iron at 60 degree + cutting with high pressure at high speed + cutting again high speed burnishing wax + other lasting operations + P²⁹ brown + cutting at high-speed + polishing at low speed. The manager is some how not convinced with the system. Evaluate the system given above and give your recommendations.

4. Answer the following in short : 2.5x4=10
- (a) How will you stop the hungriness of leather in shoe room?
 - (b) Name three types of corrected grain leather commonly used for upper making.
 - (c) List out different liquid dressings and their application procedures.
 - (d) List out 4 important characteristics of semi - aniline finish leather to be considered by shoe finishers.
5. Write down the sequence of operations for pigment finish leather by meltonian product. 10
6. Write shorts notes on the following : 2.5x4=10
- (a) Repairing wax
 - (b) Woollen roller
 - (c) Carnauba wax
 - (d) Cleaner
7. Describe the following leathers : 2.5x4=10
- (a) Aniline leather
 - (b) Burnish leather
 - (c) PU film coated leather
 - (d) Milled leather

A company is making 1000 pairs of casual shoes in brown burnish leather daily. The order is of 24,000 pairs and size assortment is as follows : 10

5/1 6/3 7/2 8/3 9/2 10/1

- (a) Break the order in given assortment.
 - (b) It was realized in finishing room that the leather became double shaded on cutting at high speed. Identify the problem and give the possible solution.
-