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

Term-End Examination

□□260   June, 2017

MFW-041 : FOOTWEAR TECHNOLOGY – I

Time : 3 hours   *Maximum Marks : 70*

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

1. Describe the various properties of polychloroprene adhesives.   *10*

2. Explain different types of skiving done in the closing department.   *10*

3. What is synthetic casting ? Explain the procedure of synthetic casting by graphical method.   *10*

4. (a) State the purpose of leather grading. Also explain the grading in a shoe factory.

    (b) Write down the sequence of operations for hand turnover binding with a diagram. *2×5=10*

5. Explain the following questions briefly : 5×2=10

   (a) Why must the topline be stronger ?

   (b) Why is the inside quarter taken up from the lower quality area of leather than the outside quarter ?

   (c) What is the difference between corrected grain leather and full grain leather ?

   (d) What is purchase cost variance ?

   (e) What are the advantages of making layouts ?

6. 'X' shoe factory purchased 8000 sq.ft. TR leather @ ₹ 70/sq.ft. After regrading of the leather, the quantity of A, B and C grades found were 1800 sq.ft., 3000 sq.ft. and 2400 sq.ft. respectively. Calculate the profit/loss during purchasing of leather. *10*

7. Answer the following questions in brief : 5×2=10

   (a) Name two types of needle thickness.

   (b) What are the four cutting edge points for dry and hard leather ?

   (c) Name any five main qualities of threads.

   (d) Write down the formula of thread consumption in lock stitch and chain stitch.

   (e) Name three types of knives in skiving machines.

8. (a) Describe hook and explain its parts and their functions.

   (b) State five important properties of synthetic threads. *2×5=10*