M.Sc. FOOTWEAR TECHNOLOGY (MSCFWT)

Term-End Examination

December, 2012

MFW-025 : PRODUCT KNOWLEDGE / MATERIAL FOUNDATION

Time : 3 hours   *Maximum Marks : 70*

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

1.   State whether the following assertions are *True* or *False* :   1x10=10

   (a)   Synthetic materials are water resistant.

   (b)   Cylinder vat machine is used for making woven fiber boards.

   (c)   Vegetable tanning is a slow process.

   (d)   PVC stands for Poly Vinyl Carbon.

   (e)   Leather has got good thermal resistance.

   (f)   A last is a reproduction of the approximate shape of the human foot.

   (g)   Bott is the best part of leather.

   (h)   The line of tightness in leather is parallel to the line of strechness.

   (i)   There are two main methods of tanning leather.

   (j)   Leather, Wood Pulp and waste paper are non fibrous.

2. Attempt all questions : 2x5=10

    (a) Write the four ideal qualities required for insole board and shank board.

    (b) Write the name of bottom components.

    (c) Define Toe-Puff and counter stiffner.

    (d) What is slurry in the manufacturing of fiber board ?

    (e) What are various fiber boards used in footwear Industry ?

3. What is the special character of the true moccasin ? Draw a cross sectional diagram of the same. 5+5=10

4. Write down the different quality points of upper making. 10

5. Explain the following : 3+4+3=10

    (a) Why leather is superior over synthetics as a shoe material ?

    (b) Draw a goat skin and show different quality regions and lines of tightness in each quality region of the skin.

    (c) What are the different types of leathers used for shoe manufacturing ?

6. Discuss various types of finished leather in berief. 10

7. Explain classification of machines. 10

8. Answer the following : **10**

   (a) What is string lasting ?

   (b) What do you mean by skiving ?

9. Name the basic Foot arches and show them with the help of a diagram. **5+5=10**

10. Name the basic shoe styles and show them with a diagram. **5+5=10**

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