

**M.Sc. FOOTWEAR TECHNOLOGY
(MSCFWT)**

Term-End Examination

00167

June, 2015

**MFW-025 : PRODUCT KNOWLEDGE / MATERIAL
FOUNDATION**

Time : 3 hours

Maximum Marks : 70

Note : All questions are compulsory.

1. Write down whether the following assertions are true or false : 5×1=5
 - (a) 'C'-hinge last is also called a Factory last.
 - (b) Hammer toe is not a foot abnormality.
 - (c) Sports shoe cannot be developed on solid block last.
 - (d) U.S.A. size begins zero at $3\frac{11}{12}$ inches.
 - (e) The name of the style 'Oxford' came from University of Oxford.

2. What do you understand by Mean Forme ? 3

3. How many arches do human feet have ? Name all of them. 3

4. Why do we provide open slots for U/L margins during pattern making? 3
5. Name and explain the different parts of the following machines : $8 \times 2 = 16$
- (a) Ancillary machine
 - (b) Bar tacker machine
 - (c) Strobe machine
 - (d) Semi-automatic machine
 - (e) Post bed double needle machine
 - (f) Flat bed single needle machine
 - (g) Slip-stitching
 - (h) Print through
6. Write down the dimensions [L × B × H] of cellulose board, shank board and steel shank respectively. 4
7. Define Sole and Insole. 4
8. Name the three companies that are manufacturing Insole board and Shank board. 4
9. Define the following terms : $4 \times 1 = 4$
- (a) Lasting
 - (b) Drafting
 - (c) Roughing
 - (d) Pounding
10. Name and explain all the major tools required to make a complete shoe. 4

11. Write down, in brief, the quality check-points of finished leather. 5
12. Define the following leathers : 4×1=4
- (a) Nubuck leather
 - (b) Brush-off leather
 - (c) Suede leather
 - (d) Smooth C/G leather
13. State whether the following assertions are *true* or *false* : 5×1=5
- (a) 20 mm lasting margin is given in the toe part of a stuck-on shoe.
 - (b) Snuffing is done with fine emery paper.
 - (c) Outer covering of smaller animal is called 'Hide'.
 - (d) Offal area is the best part of leather.
 - (e) The largest area measuring unit of leather is sq. dm.
14. Answer the following questions in brief : 2×3=6
- (a) Why is leather the most suitable material for shoes ?
 - (b) Draw a buff hide and show the different quality regions with their names.
-