M.Sc. FOOTWEAR TECHNOLOGY (MSCFWT)

Term-End Examination

December, 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) Thong last is used for chappals.

   (b) Toe spring and heel height are inversely proportional to each other.

   (c) Shoe tree is a term used for foot abnormality.

   (d) Solid block last is also called Model last.

   (e) Slip-on is a unique variation of Derby.

2. What is the purpose of masking of a last ? Is there any other method to take out the mean forme of a last ? Explain the methods. 5

3. Why do we provide trimming margin during lining patterns making ? 3

4. What do you understand by the word 'Sewing'? *3*

5. Name and explain different types of adhesives used in Closing department. *3*

6. Explain the following terms : *5×2=10*

    (a) Reinforcement

    (b) Zipper

    (c) Punches

    (d) Velcro

    (e) Needles

7. Write four ideal qualities required for insole board and shank board. *3*

8. Write the names of different bottom components. *3*

9. Define Insole and Heel. *3*

10. Discuss various types of finished leathers in brief. *6*

11. Discuss, in brief, why leather has high strength. *6*

12. What is the purpose of each of the following operations in the Lasting department? *4×1=4*

    (a) Lacing

    (b) Scouring

    (c) Heat setting

    (d) Sole spotting

13. Write down the safety measures followed in the Lasting department. *5*

14. State whether the following assertions are *true* or *false* :   *5×1=5*

- (a)   Cow C.G. contains natural grain structure.
- (b)   Line of tightness runs across the line of stretch in leather.
- (c)   Buffing is done during making of Nubuck leather.
- (d)   Belly is the best part of leather.
- (e)   The mid-grown larger species' outer covering is known as kip.

15. Answer the following questions in brief :   *2×3=6*

- (a)   Why can wrong cutting affect the quality of a shoe in closing and lasting department ?
- (b)   Draw a cow hide and show different quality regions with names.

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