

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

00445

Term-End Examination

December, 2014

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

Time : 3 hours

Maximum Marks : 70

Note : All questions are compulsory.

1. Fill in the blanks : 5×1=5

- (a) Trimming margin is given in _____ patterns.
- (b) Length increment from one size to another in Continental sizing system is _____ mm.
- (c) The metatarsus group consists of _____ metatarsals (long bones).
- (d) The name of a footwear style, which is known for Oxford University is _____ .
- (e) English size scale begins with zero at _____ inches.

2. Explain 'Oxford – Brogue' shoe. $2\frac{1}{2}$

3. Write short note on 'Scoop Last'. $2\frac{1}{2}$

4. State whether the following are *true* or *false* : $5 \times 1 = 5$
- (a) Synthetic materials are water resistant.
 - (b) Vegetable tanning is a slow process.
 - (c) Leather has a good insulation property.
 - (d) Neck is the worst part of leather.
 - (e) Skin is the outer covering of smaller animals.
5. Why is leather superior to synthetics as a shoe material ? 3
6. Draw a labelled diagram of hide, showing different quality regions. 3
7. What are the different types of lining materials used in footwear making ? 4
8. What do you understand by word 'Sewing' ? 5
9. Name and explain the different types of adhesives, which are used in Closing Department. 5
10. Explain the following : $5 \times 2 = 10$
- (a) Reinforcement
 - (b) Zipper
 - (c) Punches
 - (d) Velcro
 - (e) Needles
11. Write four ideal qualities required for Insole board and Shank board. 3

- 12. Write the names of Bottom components. 3**
- 13. Define Toe-Puff and Counter-Stiffener. 3**
- 14. What is Lasting ? Draw a labelled diagram of Lasting Down construction. 5**
- 15. What are the different types of adhesives generally used in Lasting Department ? Name and explain the different methods of using them on various upper and sole materials. 5**
- 16. Give any five characteristics of aniline finish leather. 3**
- 17. Explain the different types of leathers used in footwear industry. 3**
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