

B.Sc. FOOTWEAR TECHNOLOGY (BSCFWT)

Term-End Examination

00041

June, 2014

**BFW-035 : PRODUCT KNOWLEDGE/MATERIAL
FOUNDATION**

Time : 3 hours

Maximum Marks : 70

Note : All questions are compulsory.

1. State whether the following statements are true or false : 1×5=5
 - (a) Leather is a breathable material.
 - (b) Chrome tanning is a slow process.
 - (c) Leather has got poor thermal resistance.
 - (d) Butt is the best part of leather
 - (e) Hide is the outer covering of bigger animals.
2. Name the main arches of Human foot. 2
3. Define Ossification. 3
4. What is last ? What are the different types and materials of last used in footwear industry ? 5
5. Explain the English Sizing System and its incremental value during fitting. 5
6. What are the different types of fabric/synthetic materials used for upper material ? 5

7. Draw a cowhide and show different quality regions with names. 5
8. Explain briefly the following bottom components : $1 \times 5 = 5$
- Sole
 - Insole
 - Toe puff
 - Bottom filling
 - Heel
9. What is shank ? Why do we use shank in a shoe ? Name the different materials used for making shank. $2 + 2 + 1 = 5$
10. Name and explain any five different types of faults while making a shoe upper. 10
11. What is the purpose of the following operations in the lasting department ? $2 \frac{1}{2} \times 4 = 10$
- Lacing
 - Heat setting
 - Scouring
 - Sole spotting
12. Write in brief the quality check points of finished leather shoe. 10