

**B.Sc. FOOTWEAR TECHNOLOGY (BSCFWT)**

**00201 Term-End Examination**

**December, 2017**

**BFW-042 : MANUFACTURING TECHNIQUE – II**

*Time : 3 hours*

*Maximum Marks : 70*

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

1. Enumerate the basic bone categories in the human foot. Mention the number of bones in each category. 10
  
2. What is a Last ? Describe various types of lasts. 10
  
3. (a) Draw the anatomical structure of raw hide showing all the constituents.  
(b) List the sequence of operations for making leather crust from wet salted cow hides. 5+5
  
4. (a) Differentiate between the following :  $2\frac{1}{2} + 2\frac{1}{2}$ 
  - (i) Brush-off and Burnish leather
  - (ii) Nubuck and Suede leather

- (b) Define Reinforcement. Explain different types of reinforcements used in the closing department. 5

5. Explain the following :  $5 \times 2 = 10$

- (a) Shuttle
- (b) Thread consumption for lockstitch
- (c) Fixed weight system
- (d) Needle size
- (e) Monocord

6. (a) Write the pre-operation checks of a riveting machine used for attaching steel shanks.

(b) What is the significance of using different types of shanks ?

(c) Write the procedure for selection of shank length for a particular last, along with a job card.

(d) What is Seat Position ? Write its significance.  $4 \times 2 \frac{1}{2} = 10$

7. (a) Write down the sequence of operations of stuck-on construction for a shoe made with leather upper and PVC sole. 5

(b) Describe the following operations :  $2 \frac{1}{2} + 2 \frac{1}{2}$

- (i) Moulding
- (ii) Bevelling

8. (a) Why is 6 – 8 mm reduced in lining standards at the lasting margin during lining pattern making? Explain.

(b) Name different types of adhesives used in the closing department. Write their properties.

5+5

9. Describe five different types of closing seams with neat diagrams.

10

