

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

**Term-End Examination**

00473

**December, 2016**

**BFW-038 : INTRODUCTION TO MANUFACTURING  
TECHNIQUE**

*Time : 3 hours*

*Maximum Marks : 70*

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

1. (a) What do you understand by upper and lining components ? Explain.
- (b) What is the use of leather horse ?
- (c) Why do we reduce 7 – 8 mm in lining standard from upper standard ?
- (d) List the different types of knives with examples.

$$4 \times 2 \frac{1}{2} = 10$$

2. (a) What checkpoints need to be remembered while doing a paper cutting exercise ? Explain.

5

(b) (i) What is the use of swing arm of clicking press machine? Explain.

(ii) Explain the use of leather wall.  $2\frac{1}{2} + 2\frac{1}{2}$

3. Explain the sizing system in detail. 10

4. Explain briefly the following questions :  $4 \times 2\frac{1}{2} = 10$

(a) What are the tools used for hand cutting?

(b) What is PP Board? Write its applications.

(c) How does one store machine cutting dies?

(d) Write the functions of  $N_1$ ,  $N_2$  and  $N_3$  switches in the clicking machine.

5. (a) Write down the characteristics of Bench Layout. 5

(b) Name the parts of clicking press and their functions. 5

6. Name and explain different types of ancillary machines used in a Closing department. 10

7. Explain shoe measuring devices in detail. 10

8. (a) Name and explain any five types of stitching machines. 5
- (b) Draw a labelled sketch of a last. 5
9. (a) Differentiate between metatarsals and phalanges. 5
- (b) Explain the following terms :  $5 \times 1 = 5$
- (i) Punches
  - (ii) Shuttle
  - (iii) Shaft
  - (iv) Head Groove
  - (v) Face Plate
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