

B.Sc. FOOTWEAR TECHNOLOGY (BSCFWT)

Term-End Examination

June, 2017

00115

BFW-040 : MANUFACTURING TECHNIQUE – I

Time : 3 hours

Maximum Marks : 70

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

1. Define 'Last'. Explain all types of 'last' with a clear diagram. 10

2. (a) What is the cuttability of leather for different grades ? Explain.
- (b) Why should lines of tightness be maintained in cut components ? Discuss. 5+5

3. (a) How is leather stored ? Discuss the controlling parameters.
- (b) What is the purpose of leather grading ? Explain the tannery method of grading. 5+5

4. (a) What are the advantages of making layout ? Write the important points to be remembered while making layout on buff calf full-grain leather.
- (b) Explain different types of skives done on a shoe upper with the help of a diagram. 5+5
5. (a) What are the various methods for manufacturing fibre boards ? Explain the Fourdrinier machine with appropriate diagram.
- (b) Draw the diagram of cowhide and goatskin showing the directions of lines of tightness with quality regions. 5+5
6. (a) What is nesting ? Write down its advantages.
- (b) What do you mean by time out of the hook of sewing machine in the closing department ? 5+5
7. (a) What is area discrepancy ? Write down its formula.
- (b) Explain dry and wet rub test in brief.
- (c) Draw the diagram of a deep curve blade and describe its use.
- (d) Draw neatly the patterns of Derby shoe and indicate their quality regions. $4 \times 2 \frac{1}{2} = 10$

8. Explain why the following faults occur : 5×2=10

- (a) Slip stitching
- (b) Bobbin thread too tight
- (c) Top thread broken
- (d) Top thread too tight
- (e) Bottom thread broken

9. (a) Describe the five important requirements each for insole fore part board and insole seat board.

- (b) Explain the ten important parts and functions of a travelling head cutting machine. 5+5
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