

**B.Sc. FOOTWEAR DESIGN AND
PRODUCTION (BSCFWP)**

Term-End Examination

December, 2016

BFR-034 : MANUFACTURING TECHNIQUE - I

Time : 3 hours

Maximum Marks : 70

Note :

- (i) *All questions carry equal marks.*
- (ii) *Attempt at least one question from each section.*
- (iii) *Attempt seven questions in all.*

SECTION A

1. Give the percentage margin (in mm) to be provided in the following : $5 \times 2 = 10$
 - (a) Lasting margin
 - (b) Folding
 - (c) Trimming
 - (d) Close seam
 - (e) Underlay

2. What is a shoe sizing system ? Explain any two sizing systems in brief. $2 + 8 = 10$

SECTION B

3. (a) What is the importance of leather grading?
Explain the shoe factory method of grading. 2+3=5
- (b) A shoe factory purchased 20,000 sq.ft. TR leather @ ₹ 80 per sq.ft. After receiving the leather, the quantities of A, B and C grade were found 5000, 6500 and 8000 sq.ft. respectively. Calculate the profit/loss during the purchase of leather and area discrepancy percentage. 5
4. What are the important points to be remembered while making the layout of Derby shoe on Cow full grain leather? 10
5. Define area discrepancy in leather. A shoe factory has given an order for 3000 sq.ft. Buff Full Grain Black. During leather inspection actual received area was found to be 2700 sq.ft. Calculate the area discrepancy percentage for this consignment. 2+8=10

SECTION C

6. Explain in detail the various types of needle points with diagram. *10*

7. Explain the different types of ancillary machines with their uses. *10*

8. Classify the needles on the basis of different types of systems with diagrams. *10*

SECTION D

9. Describe various bottom components with the help of diagrams which are used for making different types of footwear. 10
10. (a) Write in detail the various materials used for making insoles. 5
- (b) Describe the ideal qualities which are required in any type of insole material. 5
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