

**B.Sc. FOOT WEAR TECHNOLOGY
(BSCFWT)**

Term-End Examination

December, 2013

BFWE-001 : ADVANCED DESIGN - I

Time : 3 hours

Maximum Marks : 70

Note : All questions are compulsory.

Use of calculator is permitted.

1. Complete the following table : 12

All measurements are in mm.

Sizing Systems	Length Increment	Lower Girth Increment	Upper Girth Increment	Total joint Girth Increment
French (M.S)	6.67	-	3.0	-
U.K. (W.S)	-	1.8	-	5.5
U.K. (M.S)	-	-	4.2	6.3

2. How do we find out the upper and lower sizes from a model size insole pattern ? Explain all the steps. 10

3. Compare and contrast the following grading systems and their types : 6

- Manual grading
- Cad-cam grading
- Grading by pantograph machine

4. Write all the procedures to make full sock pattern from a given insole pattern.
 5. If size '42C' is having the stick length of last 279mm. and total joint girth is 258mm. i.e $42C=279/258$. then find out the value of 41D.
 6. If the stick length of a last is 281mm, Find out the sizes in French and English sizing systems.
 7. Explain the following : 3x4=1
 - (a) Pantograph Machine
 - (b) Sole Patterns
 - (c) Counter stiffners
 - (d) Radial tool
 8. Differentiate between the following : 4x3=1
 - (a) Half sock and full sock
 - (b) Heel grip and heel padding
 - (c) Stick length of last and standard last length
 9. Write short notes on the following : 1.5x2=
 - (a) Toe-puffs
 - (b) Brand logos
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