

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

Term-End Examination

June, 2013

BFWE-001 : ADVANCED DESIGN - I

Time : 3 hours

Maximum Marks : 70

Note : All questions are compulsory.

Use of calculator is permitted.

1. Write down the incremental values of French and English sizing systems for men's women's and kid's categories. 12
2. Explain size-grading, its different types and methods. 10
3. Why do most foot-wear designers prefer CAD-CAM for size-grading? Explain. 6
4. An insole pattern is given, write all the steps to make half sock pattern. 5
5. If size 7E = 270/261 mm (where 270 mm is the stick length of last of size 7 and 261 mm is the value of 'E' fitting), then find the values of size 8F. 5

6. What would be the sizes in French and English sizing systems if the given stick length of last is 288 mm ? 5
7. Explain the following : 4x3=12
- (a) Heel Patterns and Sole Patterns
 - (b) Hand Grading
 - (c) Toe-Puff
 - (d) Grading Tool
8. Differentiate between the following : 3x4=12
- (a) Sole with welt and sole without welt
 - (b) Stick length of last and standard last length
 - (c) Heel Grip and Heel Padding
9. During designing and pattern making : 1.5x2=3
- (a) Why do we reduce 7-mm in Toe Puffs and Counter Stiffners from the lasting margin ?
 - (b) Why do we add 3 mm extra margin all over in half sock patterns ?
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