

**B.Sc. FOOTWEAR TECHNOLOGY (BSCFWT)****Term-End Examination****December, 2015****BFWE-001 : ADVANCED DESIGN – I***Time : 3 hours**Maximum Marks : 70*

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**Note : All questions are compulsory.**

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1. How do we find out the upper and lower sizes from a model size insole pattern ? Explain all the steps. 10
  
2. Explain the following :  $4 \times 2 \frac{1}{2} = 10$ 
  - (a) Radial Tool
  - (b) Sole Patterns
  - (c) Pantograph Machine
  - (d) Counter Stiffeners
  
3. Differentiate between the following : 5+5
  - (a) Heel grip and Heel padding
  - (b) Stick length of last and Standard last length

4. (a) Why do we reduce 7 mm in Toe-puffs and Counter-stiffeners from the lasting margin ?
- (b) Why do we add 3 mm extra margin all over in half sock patterns ? 5+5
5. (a) Why do we provide V-cut lining in Derby style of footwear ?
- (b) What do you understand by Underlay margin ? 5+5
6. Describe the sizing system in detail. 10
7. (a) Write short notes on the following :
- (i) Toe-puffs
- (ii) Brand Logo
- (b) 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+5
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