

**B.Sc. FOOTWEAR TECHNOLOGY (BSCFWT)**

**Term-End Examination**

**June, 2014**

00237

**BFWE-012 : TESTING**

*Time : 3 hours*

*Maximum Marks : 70*

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**Note :** Attempt *all* questions.

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1. Explain the following terms : 25
  - (a) pH value
  - (b) Fat content
  - (c) Chrome content
  - (d) Dyes
  - (e) Ash content
  
2. The weight loss in sole abrasion is  $x$  mg and density is  $y$  mg/mm<sup>3</sup>. The master rubber on abrasion gives a weight loss of 180 mg. What will be volume loss of sample ? 15
  
3. Explain in brief about occupational footwear and testing. 10
  
4. Describe in brief the four major points for SATRA sole adhesion testing. 10
  
5. Write down four major differences between water vapour permeability and water absorption. 10