

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

**Term - End Examination**

**December, 2012**

**BFW-038 : INTRODUCTION TO  
MANUFACTURING TECHNIQUE**

*Time : 3 hours*

*Maximum Marks : 70*

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*Note : Attempt all questions.*

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1. State the differences between : 10
  - (a) English and French Sizing Systems
  - (b) Style and Design.
  
2. Explain shoe measuring devices in detail. 10
  
3. What are the safety points one should remember 5  
while operating bench grinder ?
  
4. Name all the parts of clicking press and their 5  
function.
  
5. Explain in brief : 5x3=15
  - (a) What is the use of Aluminium strike plate ?
  - (b) What are the methods of making clicking dies ?

- (c) How to set the clicking press to operate it ?
- (d) Why two buttons are given to push to operate the clicking press ?
- (e) Why synthetic materials are cut in layers ?

6. Match the following : 10

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|--------------------------|---|
| (a) Punches              | (i) Picks up top threads                  |
| (b) Pulley               | (ii) Making perforation                   |
| (c) Poly propylene board | (iii) Covers all side shafts              |
| (d) Shuttle              | (iv) For punching work                    |
| (e) Shaft                | (v) Releases tension disc                 |
| (f) Head Groove          | (vi) Between shank and eye                |
| (g) Hexagonal key        | (vii) Provides space for bottom feed.     |
| (h) Knee press           | (viii) unscrew and tightening screws      |
| (i) Face plate           | (ix) protects threads from undue friction |
| (j) Throat plate         | (x) Transfers the power to balance wheel. |

7. Name and explain different type of ancillary machines use in closing department. 10

8. Name different types of tools use in closing department. 5