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**M.Sc. IN CREATIVE DESIGN CAD/CAM  
(MSCCRD)**

**Term-End Examination**

**December, 2012**

**MFW-044 : FOOTWEAR TECHNOLOGY - II**

*Time : 3 Hours*

*Maximum Marks : 70*

*Note : Attempt all questions.*

1. Define the following terms : 6
  - (a) Heel
  - (b) Sole
  - (c) insole
  - (d) Heel lift
  - (e) Toe-puff
  - (f) Steel shank
  
2. Write ten important parts and their function of travelling head cutting press machine. 6
  
3. What are the following operation and what is the need of doing them ? 3x2=6
  - (a) Riveting
  - (b) Stamping
  - (c) Skiving
  
4. What are the different types of Insole and write the sequence of operation for making Continental Insole ? 6

5. Write the name of six different types of toe-puff material and write the process of manufacturing impregnated fabrics. 6
6. What do you mean by conditioning of upper ? 10  
Write down the developments which has taken place in upper conditioning ?
7. What is the purpose of the following ? 5x2=10
- (a) Hot-mould in counter moulding machine.
  - (b) Cold-mould in counter moulding machine.
  - (c) Injector in toe lasting machine.
  - (d) TCF in toe lasting machine.
  - (e) Toe band in toe lasting machine.
8. Write down point by point the sequence of operation for a ladies hand lasted pump shoe with TPR unit sole. 10
9. Write down 20 safety points before entering the lasting work laboratory. 10
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