

**M.Sc. CREATIVE DESIGN CAD-CAM (MSCCAD)**

**Term-End Examination**

J481

**December, 2017**

**MFR-031 : PRODUCT KNOWLEDGE AND  
MATERIAL FOUNDATION**

*Time : 3 hours*

*Maximum Marks : 70*

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**Note :** Attempt any *seven* questions. All questions carry equal marks.

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1. Write short notes on the following : 10
  - (i) Prototyping
  - (ii) Product Specification
  
2. With examples, describe the English shoe sizing system. 10
  
3. With neat sketch, illustrate the arches of the foot with their functions. 10
  
4. Write down the shoe making process of a toe cap Oxford with counter. 10

5. Discuss the importance of shoe fitting. 10
  6. Elaborate the history of footwear. 10
  7. What is a Last ? Describe its making process and the materials used for last making. 10
  8. Discuss different types of bottom plating of a last with diagram. 10
  9. What are the basic shoe styles ? Explain any two with diagrams. 10
  10. Discuss the factors on which lasting margin is given in the stuck-on style. 10
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