

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

Term-End Examination

00191

December, 2017

**MFR-036 : PRODUCT DESIGN PROCESS
(A) COMPONENT MAKING
(B) MAKING AND FINISHING**

Time : 3 hours

Maximum Marks : 70

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

1. Explain the sequence of operations for Ribbed Insole. 10
2. Write ten important parts and their functions of a travelling head cutting press machine. 10
3. Write the procedure for selection of shank length for a particular last with job card. 10
4. Write down the sequence of operations of stuck-on construction for a shoe made with leather upper and PU sole. 10
5. Explain the process of shoe finishing. 10

6. Write about the safety rules followed in the finishing department. 10
 7. Explain the different quality checkpoints after shoe making. 10
 8. Write the five different materials used for manufacturing insoles. Also write the ideal qualities for insoling materials. 10
 9. Explain different types of machines used in the lasting and finishing departments. 10
 10. What are the different quality checkpoints for leather unit sole ? 10
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