

00363

M.Sc. CREATIVE DESIGN (CAD-CAM)

Term-End Examination

December, 2016

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

Time : 3 hours

Maximum Marks : 70

Note : Attempt any 7 (seven) questions. All questions carry equal marks.

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1. What are the various materials which are used for making sole ? 10
 2. Describe various types insole and their use in footwear industry. 10
 3. Write the procedure for selection of shank length for a particular last along with job card. 10
 4. Discuss about the different types of toe-puff and counter stiffener used in footwear manufacturing. 10
 5. Draw the cross-sectional diagram of San Crispino construction, and explain it briefly. 10
 6. Write the different methods of insole attachment in lasting process. 10

7. Classify different types of last on the basis of plates attached to the heel. 10
8. Write down the lasting sequence of operation by machine for cemented construction. 10
9. (a) Mention the different types of cleaner and their uses in shoe finishing. 2x5=10
(b) Describe any five finishing faults in brief and discuss their causes and remedy.
10. Write short notes on the following : 2.5x4=10
(a) Filler
(b) Soft Cream
(c) Hard Cream
(d) Carnauba wax
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