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M.Sc. IN CREATIVE DESIGN CAD-CAM

Term-End Examination

December, 2016

MFR-034 : PRODUCT DESIGN PROCESS

Time : 3 hours

Maximum Marks : 70

Note : (i) All questions carry equal marks.

(ii) Attempt any seven questions.

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1. What are the advantages of hand cutting and machine cutting in a shoe factory ? 10
 2. Write down method of 180 degree R.S.M. with diagram and formula for Nubuck Leather. 10
 3. Write down various types of natural and man-made defects in brief. 10
 4. Describe in brief the different types of clicking dies (based on height and edges). 10
 5. What are the leather storage factors should be followed by a shoe factory ? Explain. 10
 6. Explain different types of needles with diagram. 10

7. What is top line ? Explain different types of top lines with diagram. 10
 8. Classify the needle on the basis of system with diagram. 10
 9. What is thread twist ? Draw the diagram of thread twist. What are the different methods to size a thread ? 10
 10. What is seam ? Explain different types of seams with diagram. 10
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