

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

00165 **Term-End Examination**
December, 2014

MFW-046 : DESIGNING - III

Time : 3 hours

Maximum Marks : 70

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

1. Define the following : 5×2=10
 - (a) Industrial engineering
 - (b) Chemical roughing
 - (c) Lateral and medial heights
 - (d) Material swatch book
 - (e) Shank board

2. Describe the Direct Moulded Construction with the help of a neat diagram. 10

3. Explain the complete process of socks pattern grading with label placement and graphic illustration. 10

4. What do you understand by commercialisation ? Discuss its various stages. 10

5. What will be the input data for shoe designing in CAD software like DELCAM ? What data will you use from shoe master software for the above purpose ? Write down the complete process of data extraction. 10
6. Why do we need the spring command ? Write down the complete process of spring with graphic illustration. 10
7. How can we restrict the sandal strap which passes through the buckle ? Write down the process and explain in brief why do we do it. 10
8. During cutting and skiving process, what are the parameters that need to be monitored ? Explain in brief. 10
9. Describe in brief any **one** of the following : 10
- (a) Hallux Valgus
 - (b) Pes Planus (flat foot)
10. Write short notes on any **two** of the following : 2×5=10
- (a) Importance of monitoring the process of shoe making
 - (b) Safety precautions in shoe making process
 - (c) Causes of Bunion in foot
 - (d) Mean form
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