

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

Term-End Examination

00390

December, 2017

MFW-046 : DESIGNING – III

Time : 3 hours

Maximum Marks : 70

Note : Answer seven questions in all. Question no. 1 is compulsory. All questions carry equal marks.

1. State whether the following assertions are *true* or *false* : *10×1=10*
- (a) CAD stands for Computerized Aided Design.
 - (b) Stitchdown construction has no lasting margin.
 - (c) DIP stands for Direct Injection Process.
 - (d) Steel toe cap is used in defence shoes.
 - (e) Flat foot is also known as pes planus.

- (f) Rapid prototyping machine is not an input device.
- (g) With hole you can generate the punch.
- (h) Net is the command of arc.
- (i) One can modify the punch shape.
- (j) Perpendicular is a command of line.

2. Describe the direct moulded construction with the help of a neat diagram. 10

3. Define any *five* of the following : 5×2=10

- (a) Industrial engineering
- (b) Chemical roughing
- (c) Lateral and medial heights
- (d) Material swatch book
- (e) CAM
- (f) Shank board

4. What do you understand by commercialisation ?

Discuss its various stages. 3+7=10

5. Why do we need the spring command ? Write down the complete process of spring with a graphic illustration. 3+7=10

6. During cutting and skiving processes, what are the parameters that need to be monitored ?
Explain in brief. 2+8=10
7. Write down the complete process of last preparation for 3D digitization with graphic illustration. 10
8. Write short notes on any *two* of the following : $2 \times 5 = 10$
- (a) Importance of Monitoring the Process of Shoe Making
 - (b) Safety Precautions in the Shoe Making Process
 - (c) Causes of Bunions in Foot
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