

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

**Term-End Examination**

**December, 2015**

**MFW-043 : DESIGNING - II**

*Time : 3 hours*

*Maximum Marks : 70*

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**Note :** Answer *seven* questions in all. Question no. 1 is *compulsory*.

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1. State *True* or *False* for the following : *10×1=10*
- (i) English shoe size commences from 6 inches.
  - (ii) Pes Cavus is called humped foot.
  - (iii) Girth increment in French sizing system is 5.66 mm.
  - (iv) The foot skeleton is made up of 36 bones.
  - (v) There is size break in English sizing system.
  - (vi) Ligaments are soft fibrous tissues which attach bones to bones.
  - (vii) Tarsus group has 21 bones.

- (viii) Weight bearing and propulsion are two important functions of foot.
- (ix) Transverse arch is the arch of the foot extending under and across the instep.
- (x) Cuboid bone is present in the Tarsus group.
2. Draw a neat and labelled sketch of a foot skeleton and define the bones. 10
  3. Convert Paris Point 41 and 42 sizes into English sizes. 10
  4. What are the functions of the arches of the foot ? Sketch the impression of the feet and specify different arches. 10
  5. Describe the American shoe sizing system. 10
  6. (a) Why is it necessary to measure foot ? Give reasons.
  - (b) Name three foot measuring devices and explain any two of them. 2×5=10
  7. (a) Describe different materials used in cast making.
  - (b) Briefly discuss about model last. 2×5=10
  8. Write short notes on any **two** of the following : 2×5=10
    - (a) Ossification
    - (b) Ligaments
    - (c) Functions of tendons
    - (d) Thong last