

00753

M.Sc. CAD - CAM
Term-End Examination
December, 2016

MFR-031 : PRODUCT KNOWLEDGE AND
MATERIAL FOUNDATION

Time : 3 hours

Maximum Marks : 70

Note : Attempt any 7 (seven) questions. Question No.1 is compulsory. Attempt any six more questions from the remaining.

1. State True or False : **1x10=10**
- (a) Middle phalanges consists of 4 bones. (T/F)
 - (b) Lasts have many thimbles. (T/F)
 - (c) Underlay allowance is 05 mm and trimming allowance is 10 mm. (T/F)
 - (d) Leather is the only upper material - available in the market. (T/F)
 - (e) Foot Skeleton is made up of 36 bones. (T/F)
 - (f) When quarter overlays the vamp, it is called oxford. (T/F)
 - (g) Hinge is placed to reduce the volume of last. (T/F)
 - (h) We can define Paris Point sizing system as Mondopoint sizing system also. (T/F)
 - (i) Both last and foot have arches. (T/F)
 - (j) There is a size break in English sizing system. (T/F)

2. Give reasons for the following : 2x5=10
- (a) Sandal last are different from derby shoe last.
 - (b) Moccasin is a construction not a style.
 - (c) Lining is always shorter than upper for machine lasting stuck-on styles.
 - (d) Court shoe cannot be made on solid block last.
 - (e) Heel height depends on toe spring.
3. Describe last making process and the materials used for last making. 10
4. Write the history of Footwear. 10
5. Explain English shoe sizing system. 10
6. Illustrate the Arches of the foot with their functions. 10
7. Describe different types of upper, sole and lining materials used in shoe making. 10
8. Sketch a last and specify it's parts. 10
9. Describe different types of hinging system of last. 10
10. Discuss continental shoe sizing system. 10
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