

**M.Sc. FOOTWEAR TECHNOLOGY
(MSCFWT)**

00390

Term-End Examination

December, 2017

**MFW-029 : ADVANCED MANUFACTURING
TECHNIQUE**

Time : 3 hours

Maximum Marks : 70

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

1. (a) What is meant by the word 'Cement' in the footwear industry ? What are the different types of cement used in the footwear industry ?
- (b) Explain indirect construction. Give three examples. Name the intermediate components of indirect construction. 5+5

2. (a) Define Skiving. Explain any five parts of the skiving machine.
- (b) With the help of a diagram, explain various quality regions of vegetable tanned leather. 5+5
3. (a) Discuss why leather sorting is essential in suede leather.
- (b) Write down the sequence of operations for a small Derby upper assembly. 5+5
4. (a) Describe the procedure of calculating scale area through 180° method of RSM.
- (b) Explain the main basic styles of footwear. 5+5
5. (a) Explain the following :
- (i) Saga (Sabot)
- (ii) Two main types of foot abnormalities
- (b) Describe the procedure to calculate material allowance of synthetic material by graphical method. 5+5
6. (a) With the help of diagrams, explain any four types of closed seams.
- (b) Discuss the various defects found in vegetable tanned leather. 5+5

7. (a) Why do we reduce 2 mm and 4 mm at back curve during lining standard making for footwear ?
- (b) Write down the sequence of operations to develop upper standard (starting from masking of last). 5+5
8. Differentiate between the following : $2 \times 5 = 10$
- (a) Scoop last and Thong last
- (b) English and French sizing systems
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