

00460

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

**Term-End Examination
June, 2013**

**MFW-029 : ADVANCED MANUFACTURING
TECHNIQUE**

Time : 3 hours

Maximum Marks : 70

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

1. Differentiate between the following : 2x5=10
 - (a) Model last and factory last
 - (b) English and French sizing systems.

2. Explain the merits and demerits of RSM and table RSM. 10

3. There are two tanneries, 1st tannery is supplying E grade leather @ 62 Rs./sq.ft. with area discrepancy of 5% and 2nd tannery is supplying A grade leather @ 65 Rs./sq.ft. with area discrepancy of 9%. What will be the variance in cost if 2500 sq.ft. material is purchased from both tanneries separately ? Which tannery is giving the best value to the buyer ? 10

4. Explain step by step procedure of calculating material allowance by 180° method in RSM. 10
 5. Write the procedure of Brookline seam with quality. 10
 6. Explain the close raw edge and underlay skiving with the help of a diagram. 10
 7. What are the different types of insoles ? Also write the names of the machines involved in manufacturing. 10
 8. Write the four different materials used for manufacturing soles. Also describe the ideal qualities required for soling material. 10
 9. What is lasting ? What are the different methods of lasting ? Explain the different lasting down methods with diagram. 10
 10. Draw a cross-sectional labelled diagram of a full shoe of the following construction : 10
 - (a) Stuck on construction
 - (b) Direct Injection Process
-