M.Sc. FOOTWEAR TECHNOLOGY
(MSCFWT)

00134 **Term-End Examination**
June, 2014

MFW-029 : ADVANCE MANUFACTURING TECHNIQUE

Time : 3 hours *Maximum Marks : 70*

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

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1. (a) Define Ossification. $3\frac{1}{2} \times 2 = 7$

   (b) What is heel grip ?

2. (a) Why do we reduce 6 – 8 mm in lining standard from upper standard ? $3\frac{1}{2} \times 2 = 7$

   (b) Differentiate between symmetric and asymmetric styles.

3. During inspection of leather lot, what are the quality parameters based on which the selection is performed ? Briefly explain such parameters. 7

4. Write step by step procedure of calculating scale area through 180° method of RSM. 7

5. How is leather sorting different from the leather grading ? Explain why sorting is essential in suede leather.   7

6. Write down the sequence of operations for small derby upper assembly.   7

7. What do you understand by skiving ? Explain any five parts of the skiving machine.   7

8. What are various quality regions of vegetable tanned leather ? Explain with the help of a diagram.   7

9. What is close trim leather unit sole ? Write the name of machine used for making sole.   7

10. Define the following operations related to the insole manufacturing : $3\frac{1}{2}\times2{=}7$

    (a) Grooving

    (b) Bevelling

11. What is indirect construction ? Give three examples and name the intermediate components of them.   7

12. What do you mean by the word "Cement" in the footwear industry ? What are the different types of "Cement" used therein ?   7

13. Write down the sequence of operations for Moccasin.   7