

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

**Term-End Examination
June, 2013**

**MFW-025 : PRODUCT KNOWLEDGE / MATERIAL
FOUNDATION**

Time : 3 hours

Maximum Marks : 70

*Note : All questions are compulsory. Marks distribution is
written in front of every question.*

SECTION - A

1. Fill in the blanks : 1x5=5
- (a) Thermo based toe puffs are _____
activated.
 - (b) 40 no. grit is used for _____
 - (c) _____ heat setter machine is used for
leather.
 - (d) Heel nailing is done by _____ nail.
 - (e) Chemical activation of PVC sole is called

2. Draw the cross - sectional diagram of a full shoe
for the following constructions : 2x3=6
- (a) Veldcheon construction
 - (b) Sancrispino construction

3. Discuss, why leather has high strength ? 5
4. Explain the different types of leather used in the footwear industry. 5
5. Give five characteristics of Aniline finish leather. 5

SECTION - B

6. What is insole ? Where it is used and what is the importance of insole during lasting ? 5
7. Name the different materials used for making of sole and insole. 5
8. Explain two types of fibers by which thread is made. 5
9. Name different types of adhesives used in upper making. 8

SECTION - C

10. State whether the following assertions are **true** or **false** : 1x9=9
- (a) Leather is most suitable material for shoe making.
 - (b) Vegetable tanning is a slow process.
 - (c) Outer covering of larger animal is called skin.
 - (d) Neck is the best part of leather.
 - (e) When fitting of footwear, only one foot must be measured ?
 - (f) Feather line runs along the top of the quarters.
 - (g) Toe spring and heel height are inversely proportional for a particular last.
 - (h) There are twenty eight bones in the foot.
 - (i) The sole leather is sold by sq.ft. or sq.mt.
11. Define ossifications. 3
12. What do you understand by upper and lining components ? 3
13. Why do we reduce 7-8 mm. in lining standard from upper standard ? 3
14. Explain Brogue shoe ? 3