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**B.SC. FOOTWEAR DESIGN AND PRODUCTION
(BSCFWP)**

Term-End Examination

December, 2017

**BFR-032 : PRODUCT KNOWLEDGE AND
MATERIAL FOUNDATION**

Time : 3 hours

Maximum Marks : 70

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

1. Discuss ten shoe faults in brief. 10
2. What is drafting in shoe making ? Explain with diagram. 10
3. Write down properties of cotton and synthetic threads. 10
4. Explain sizing system in brief. 10
5. (a) Briefly explain the properties of leather as the shoe material. 3+4+3=10
(b) Draw a Low side and show different quality regions and lines of tightness in each quality region of the side.
(c) What are the two main methods of tanning ?

6. (a) Write the four important requirements for insole forepart board and insole seat board each. 2x5=10
- (b) Define sole and insole.
- (c) What are raw materials for making fiber boards ?
- (d) Name the three different companies manufacturing insole board and shank board each.
- (e) Write the dimensions (L × B × H) of cellulose board. Shank board and steel shank.
7. (a) Explain two types of fibers by which thread is made. 5x2=10
- (b) What is the purpose of neat setting ?
8. Write True or False for the following statements : 1x10=10
- (a) Burnish leather in glossy leather.
- (b) High quality cellulose board is bonded with synthetic neoprene.
- (c) P.U. film leather is as good as synthetic material.
- (d) V.T. leather is sold by square decimeter.
- (e) Hard cream can be used as a base coat while finishing a shoes.
- (f) Chrome tanning of leather is a slow process.
- (g) Oil-pull up is two tone effect leather.
- (h) Insole board is non-woven board.
- (i) Burnish is Wax-Finish leather.
- (j) Resin, Alum and latex are fibers.

9. (a) What is lasting ? Explain with examples.
(b) Name different types of adhesives used in upper making. **5x2=10**
10. Name the measuring devices used for measuring foot. Explain any two from them. **10**
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