

**B.Sc. FOOTWEAR TECHNOLOGY (BSCFWT)**

**Term-End Examination**

**00158**

**June, 2017**

**BFW-046 : ADVANCED MANUFACTURING  
TECHNIQUE**

*Time : 3 hours*

*Maximum Marks : 70*

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

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1. (a) What are the four materials used for manufacturing soles ? Discuss the ideal qualities for soling materials.
- (b) Discuss the properties of stitching room threads. 5+5
2. (a) Explain briefly the shoe repairing technique.
- (b) Give the cross-sectional view of the following : 5+5
  - (i) Goodyear welted construction
  - (ii) San Crispino construction

3. (a) Describe the required properties of cotton thread.
- (b) Explain the purpose of skiving machine, dressing tool and pressure foot. 5+5
4. (a) Write the quality parameters for checking cut components during Quality Control (Q.C.) in the cutting department.
- (b) Define hook and describe its different parts. 5+5
5. Describe the sequence of operations for toe-cap Oxford upper. Also write its quality specifications. 10
6. Discuss in brief the faults of cow leather. Write the process of their rectification in finishing. 10
7. Explain needle points with the help of a clear diagram. 10
8. Describe the methods adopted in the shoe industry for attaching the insole to the last. State their advantages in brief. 10
9. Give reasons why the following operations are carried out : 5×2=10
- (a) Sole splitting
- (b) Sole seat roughing
- (c) Levelling and roughing
- (d) Sole bottom snuffing
- (e) Edge pre-trimming
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