B.Sc. FOOTWEAR TECHNOLOGY (BSCFWT)

Term-End Examination

June, 2013

BFW-042 : MANUFACTURING TECHNIQUE - II

Time : 3 hours   *Maximum Marks : 70*

Note : Answer all questions.

1. Name and explain basic styles of footwear.   3

2. Differentiate the following :   2x2=4
    (a) Folding and Trimming
    (b) Mule and sabot

3. State true or false :   1x4=4
    (a) Wing cap is a lining component.
    (b) In oxford the quarter overlays the vamp.
    (c) Standard back height of size 41 is 59 mm.
    (d) Monk is a derby variation

4. Define the following terms given below :   2x2=4
    (a) Last
    (b) Casual shoes

5. (a) What do you mean by C.G. leather ? **1x3=3**
   (b) What is embossing ?
   (c) How do you calculate second waste in Table - RSM ?

6. Attempt *any three* of the following : **4x3=12**
   (a) Draw anatomical structure of raw skin showing all the constituents.
   (b) Differentiate between :
      (i) Printed leather and Embossed leather
      (ii) Burnish finish and Dye finish
   (c) For a sport shoe, the vamp component is traced on a synthetic material of width 54 inches. The total of 64 components are traced on the length of 1.2 metre. What is the costing norm for the given component (in sq. metre) ? Also, calculate the material required (in metre)for 5000 pairs of vamp if the new width of material being supplied is 60 inches.
   (d) Write the procedure for calculating material allowance by Table RSM (180° method).

7. Define reinforcement. Also explain different types 5 of reinforcement used in closing department.

8. Explain the following : 5
   (a) Thread consumption for lock stitch
   (b) Needle size
   (c) Fixed weight system
   (d) Monocord
   (e) Shuttle

9. State true or false : 5
   (a) 134 system needle has 42 mm length and 2 mm shank diameter.
   (b) 14 no. needle size is equivalent to 90 no size.
   (c) In upper closing section generally 5 twist threads are used.
   (d) Selection of threads depends on needle size.
   (e) The duration of the shelf life is more than the pot life of adhesives.

10. (a) Write the pre - operation checks of riveting machine used for attaching steel shank.
    (b) What is the significance of using different types of shanks ? **1.5x2=3**

11. Attempt *any three* questions from the below mentioned : **3x4=12**
    (a) Write the procedure for selection of shank length for a particular last along with a job card.
    (b) A buyer gives a sample of RIBBED INSOLE to the factory. Write the process in sequence how you will start production in the factory ?
    (c) What different things you will ask from customer occuyping order for manufacturing insoles ?
    (d) Describe the following operations and their purpose :
        (i) Riveting
        (ii) skiving
        (iii) Stamping

12. Attempt *any two* questions from the below mentioned : 5+5=10

(a) Draw the cross - sectional diagram of the following construction :

(i) San Crispino

(ii) Moccassin

(b) Write down the sequence of operation of stuck - on construction for a shoe made with leather upper and leather sole.

(c) What is indirect construction ? Give examples and name the intermediate components in them.

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