

August 2021

FOOTWEAR TECHNOLOGY – II

Time Allowed: 1 Hour

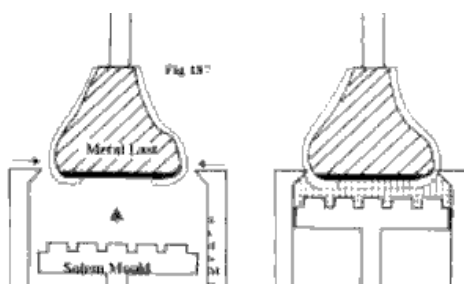
Full Marks: 35

Answer to Question No. 1 is compulsory and Answer any two questions from the rest.

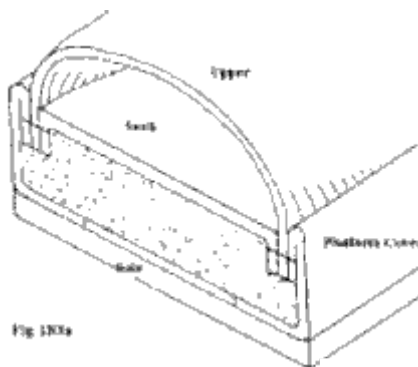
1. Answer the following questions (any ten): 1.5x10=15

Choose the correct answer from the given alternatives:

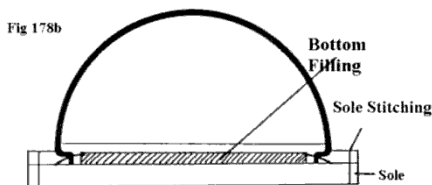
i. Identify the following construction i) Stuck on ii) California iii) Goodwear Welted iv) Direct moulding



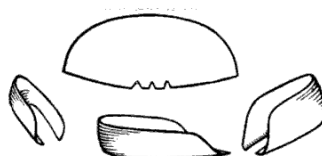
ii. Identify the following construction i) Stuck on ii) California iii) Goodwear Welted iv) Direct moulding



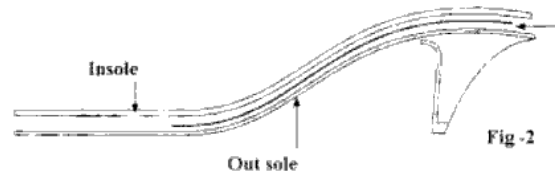
iii. Identify the following construction- i) Stuck on ii) California iii) Goodwear Welted iv) Direct moulding



iv. Identify the reinforcing material i) toe puff ii) counter stiffener iii) shank iv) None of these



- v. Identify the in-between reinforcing material i) toe puff ii) counter stifferer iii) shank iv) None of these



Fill in the blanks:

- vi. For PU adhesive pressure and ____ is required.
 vii. The function of the _____ is basically to provide shape to the forepart of the shoe.
 viii. The layer of the material which covers the bottom of the shoe and is the walking surface of that shoe is called _____.
 ix. _____ sole offer excellent wear resistance, low density, superb shock absorption, decent slip resistance.
 x. _____ is the inner sole of the shoe, which is next to the foot under the shoe sock.

State whether the following statements are True/False:

- xi. In good wear welted construction welt is now sewn into the base of the insole wall.
 xii. The shank must not visible on the finished shoe.
 xiii. For PVC sole and leather upper we use neoprene adhesive.
 xiv. High carbon steel is used for making shank.
 xv. Polychloroprene is the polymer name of neoprene.
2. Classify Footwear construction, and draw a neat sketch cross sectional view of stuck on construction. Write down the name of any two adhesives used as lasting in stuck on construction. (4+4+2)
3. Write down the sequence of operation of Derby shoe in assembling section from complete upper to finish (10)
4. How insole is prepared in goodwear welded construction? Write down the advantages of goodwear quality construction over stuck on construction. Why shoe prepared in goodwear welted construction is expensive? (4+4+2)
5. Write down the sequence of operation for injection molding PU with a neat sketch. (10)
6. Write down the difference between goodwear welted and Stitch down construction. Write down the sequence of operation of stitch down construction. (4+6)
7. What are the check points of footwear QC and how footwear production guide is prepared? (5+5)
8. Mention the name of any two types of footwear material for stiffener, shank, insoles and soles. (10)
