



- 2 (a) Briefly describe the yarn production on rotor machine. 5
- (b) Explain briefly the steps involved in the manufacture of garment. 10

**OR**

- 2 (a) With the help of neat sketch, briefly describe airjet texturing. 5
- (b) With the help of neat sketch, describe briefly the objects and main parts of ring frame. 10
- 3 Write short notes on. (any three) 15
- (a) Slub catchers.
- (b) Size box.
- (c) Fabric defects.
- (d) Technical textiles.

- 4 (a) Answer the following questions. 10
- (1) Dichloro triazine dyes are also known as \_\_\_\_\_.
- (2) Write principle of jet dyeing machine.
- (3) Direct dyes have poor washing fastness. True / False.
- (4) Reactive dyes form \_\_\_\_\_ bond with cotton fibre.
- (5) Which surface active agents are used in the scouring ?
- (6) How the rust stains are removed during grey inspection ?
- (7) Write any two methods of stitching.
- (b) Describe the yarn passage through sectional warping machine with neat and labeled sketch. 10
- 5 (a) What is desizing ? Explain 'Enzymatic Desizing' process in detail. 10
- (b) Describe the mechanism of 'Enzymatic Desizing'. 5

**OR**

- 5** Discuss in detail the bleaching process with sodium chlorite. State drawbacks of sodium chlorite bleaching. **15**
- 6** Write short notes on. (any three) **15**
- (a) Grey inspection and stitching.
  - (b) Stitching.
  - (c) Acid desizing.
  - (d) Gas singeing.
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