

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-III (OLD) EXAMINATION – WINTER 2017****Subject Code:132802****Date:22/11/2017****Subject Name: Elements of Textile Technology And Processing****Time: 02:30 PM TO 05:00 PM****Total Marks: 70****Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

Q.1 (a) Explain process flow chart of spinning department. **07**

(b) Explain passage of material through plain power loom with neat sketch. **07**

Q.2 (a) Explain passage of material through ring frame with diagram. **07**

(b) Explain hopper bale opener with neat sketch. **07**

OR

(b) Explain working principle of speed frame machine with diagram. **07**

Q.3 (a) Enlist object of comber and explain combing cycle of comber machine. **07**

(b) Explain passage of yarn through winding machine with neat sketch. **07**

OR

Q.3 (a) With neat sketch explain sectional warping machine. **07**

(b) Explain passage of material through two cylinder sizing machine with diagram. **07**

Q.4 (a) Discuss about false twisting texturing. **07**

(b) Describe under picking mechanism of plain power loom with diagram. **07**

OR

Q.4 (a) Briefly explain different styles of printing. **07**

(b) Explain Enzymatic desizing in detail. **07**

Q.5 (a) Explain mercerization process in detail. **07**

(b) What is scouring & bleaching? Describe Kier boiling of cotton. **07**

OR

Q.5 (a) Write object of singeing and explain two burner gas singeing machine. **07**

(b) Discuss in detail hypo chlorite bleaching on cotton.

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