

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- IVth SEMESTER-EXAMINATION – MAY/JUNE- 2012****Subject code: 142805****Date: 31/05/2012****Subject Name: Elements of Textile Processes****Time: 10:30 am – 01:00 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) Write object of Ginning. Also explain “Saw Gin” in detail. **07**
(b) What are objects of Blow room? Explain any one Cleaner in detail. **07**
- Q.2** (a) With neat sketch, explain passage of material in Carding. **07**
(b) Write types of Comber. Also explain sequence of operations in a comber. **07**
- OR**
- (b) Explain principle of operation in Ring Frame with suitable diagram. **07**
- Q.3** (a) Write in brief about Pirn Winding. **07**
(b) Define – Warping. Also show yarn passage on Slow speed warping machine. **07**
- OR**
- Q.3** (a) Write objects of Sizing. Also explain any one sizing machine in brief. **07**
(b) Write in detail about Sizing ingredients. **07**
- Q.4** (a) Define – Warp and Weft. Also give classification of Weaving machine. **07**
(b) Write Shedding mechanism in detail. **07**
- OR**
- Q.4** (a) Explain in brief about Scouring process. **07**
(b) What is Singeing? Explain any one Singeing machine in detail. **07**
- Q.5** (a) Discuss Enzymatic desizing in detail. **07**
(b) Explain in brief about Mercerization process. **07**
- OR**
- Q.5** (a) What is Finishing? Also write objects of Finishing. **07**
(b) Write brief note on Hypochlorite bleaching. **07**
