

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV • EXAMINATION – SUMMER • 2014

Subject Code: 142805

Date: 25-06-2014

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 objects of Ginning. Also show layout of machines in Ginning process. **07**
(b) Mention basic operations of Blow room and draw passage of material in Blow room line. **07**
- Q.2** (a) Explain principle of operations in Carding with neat sketch. **07**
(b) Write objects of Comber. With neat sketch, show passage of material in Comber. **07**
- OR**
- (b) Explain principle of operations in Flyer Frame with suitable diagram. **07**
- Q.3** (a) Write objects of Pirn Winding. Also, with neat sketch show passage of material in Pirn winding. **07**
(b) Explain Ordinary Beam Warping machine in detail. **07**
- OR**
- Q.3** (a) Write objects of Sizing. Also explain any one sizing machine in brief. **07**
(b) Define – Weaving mechanism. Also give classification of Weaving machines. **07**
- Q.4** (a) With neat sketch, show passage of material in Plain power loom. **07**
(b) Explain primary and secondary motions of the loom. **07**
- OR**
- Q.4** (a) Discuss sequence of operations in Processing department. **07**
(b) Explain Enzymatic desizing in detail. **07**
- Q.5** (a) Write in detail about Mercerization process. **07**
(b) What is Finishing? Also write objects of Finishing. **07**
- OR**
- Q.5** (a) Explain in detail about Scouring process. **07**
(b) What is Singeing? Explain any one Singeing machine in detail. **07**
