

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-IV (OLD) - EXAMINATION – SUMMER 2017

Subject Code: 142901

Date: 06/06/2017

Subject Name: Yarn Manufacturing-II

Time: 10:30 AM to 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) State objects of Comber. Also explain passage of material in Comber with neat sketch. **07**
(b) Explain in detail about influence of feed stock on Combing. **07**
- Q.2** (a) State objects of Speed frame. How objects are fulfilled at Speed frame? **07**
(b) With a neat sketch, describe any one Builder mechanism of Speed frame. **07**
OR
(b) Describe objects, construction and working of Differential motion. **07**
- Q.3** (a) Discuss objects of Draw frame. How objects are fulfilled at Draw frame? **07**
(b) Explain different types of Drafting systems used in Draw frame. **07**
OR
- Q.3** (a) Describe briefly the noil theory of Gegauff. **07**
(b) With neat sketch, explain various types of gauges used for settings of comber. **07**
- Q.4** (a) Describe briefly construction of modern top rollers and bottom rollers at draw frame. **07**
(b) Explain about autoleveller of draw frame. **07**
OR
- Q.4** (a) Explain in brief sequence of operations in Comber. **07**
(b) Explain Ribbon Lap machine in detail. **07**
- Q.5** (a) What are flyer lead and bobbin lead machines in speed frame? Discuss their advantages and disadvantages. **07**
(b) Explain in detail about features of Modern Speed frame. **07**
OR
- Q.5** (a) Discuss the problems of 1) Drafting Wave and 2) Roller nip movement. **07**
(b) Write short note on – 1) The Nipper Assembly and 2) Top Comb. **07**
