

Seat No.: _____

Enrolment No. _____

GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-VIII (NEW) - EXAMINATION – SUMMER 2017

Subject Code: 2182902

Date: 02/05/2017

Subject Name: Process & Quality Control in Weaving

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) Discuss the causes for hard waste in winders. **07**
(b) The process control programme at winding should consist of what? **07**
- Q.2** (a) Discuss the causes for low productivity in warping. **07**
(b) Discuss the important factors affecting end breaks in warping. **07**
- OR**
- (b) What should be done for controlling productivity at winding? **07**
- Q.3** (a) Discuss in brief the general considerations for selection of ingredients in sizing. **07**
(b) Discuss in detail determination of size pick-up in a beam. **07**
- OR**
- Q.3** (a) What is the influence of squeezing nip & depth of immersion roller in the size paste on size pick-up? **07**
(b) Discuss control of yarn stretch on sizing machine. **07**
- Q.4** (a) Discuss the methods to minimize belt slippage on loom. **07**
(b) What is meant by Phurki? Discuss the remedial measures that helps in reducing its incidence. **07**
- OR**
- Q.4** (a) Discuss the stops due to weft breaks on a loom. **07**
(b) How end breaks in Pirn winding can be minimized? **07**
- Q.5** (a) What are Warp Streaks? Enlist the important causes & remedial measures of it. **07**
(b) Discuss Grey fabric inspection in detail. **07**
- OR**
- Q.5** (a) What is meant by irregular Reppiness? Discuss the precautions that can help to minimize the occurrence of Reppiness. **07**
(b) Discuss in brief how recording loom performance in terms of end breaks & other stops will be helpful in controlling productivity? **07**
