

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VIII (OLD) EXAMINATION – WINTER 2018****Subject Code: 182902****Date: 15/11/2018****Subject Name: Process & Quality Control In Weaving****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) State types of winding faults with causes and remedies. **07**
(b) What is the process control in Warping machine? **07**
- Q.2** (a) Which factors decide the Automatic Power Loom performance? **07**
(b) Discuss on Quality of sizing beam. **07**
- OR**
- (b) Explain the fabric defects with causes and remedies for Missing ends and lashing-in. **07**
- Q.3** (a) Explain the scope of process control in Winding. **07**
(b) Discuss in brief process control during filament yarn warping. **07**
- OR**
- Q.3** (a) Discuss in brief the features of the creel which helps in improving the performance in warping. **07**
(b) Explain the control of hard waste in spinning department. **07**
- Q.4** (a) State the factors affecting size pick-up and how control it. **07**
(b) What is after-waxing? How it helps in improving sized yarn quality? **07**
- OR**
- Q.4** (a) Discuss in detail the features of state-of-the-art sizing machines. **07**
(b) What is Wet splitting? What are its advantages and disadvantages? **07**
- Q.5** (a) Explain the precautions of weaving Polyester/ Cotton blend yarns. **07**
(b) how to inspect grey fabric? What are the important elements of inspection? **07**
- OR**
- Q.5** (a) Explain stops due to warp breaks and warp faults on loom. **07**
(b) Discuss on methods to reduce belt slippage for loom drive. **07**
