

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VIII EXAMINATION – WINTER 2015

Subject Code:182902**Date:04/12/2015****Subject Name: Process & Quality Control in Weaving****Time: 2:30pm to 5:00pm****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 in brief the features of Automatic Independent Head winding machine. **07**

(b) Discuss the features of Uster Quantum Clearer. **07**

Q.2 (a) Discuss in detail advances in Sectional warping. **07**

(b) Discuss in brief process control during filament yarn warping. **07**

OR

(b) Enlist the precautionary measures to be taken at warpers' creel. **07**

Q.3 (a) Discuss the control to be exercised during application of size mixing paste to the warp yarn. **07**

(b) Explain the causes and remedies of weft loops or 'phurkies' in the fabrics. **07**

OR

Q.3 (a) Discuss points to be considered while sizing P/C blend. **07**

(b) Explain the causes and remedies of weft snarls in fabrics. **07**

Q.4 (a) Explain in detail the 4 point system of fabric inspection. **07**

(b) Explain the control of hard waste in spinning department. **07**

OR

Q.4 (a) Explain the 'ON Loom' fabric inspection in detail. **07**

(b) Explain the Grey room inspection reports. **07**

Q.5 (a) Explain how the stops due to end breaks or warp faults affect the loom efficiency. **07**

(b) Explain how the card system of fabric inspection is used for control of fabric defects. **07**

OR

Q.5 (a) Explain how the stops due to weft breaks or shuttle stops affect the loom efficiency. **07**

(b) Explain the control of loom efficiency by SNAP Readings. **07**
