

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-VIII • EXAMINATION – SUMMER 2014

Subject Code: 182902**Date: 31-05-2014****Subject Name: Process and Quality Control in Weaving****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) Discuss the wrong work practices which would affect the hard waste level in winding. **07**
 (b) Discuss in detail On-line monitoring of yarn quality on winder. **07**
- Q.2** (a) Discuss in detail advances in Sectional warping. **07**
 (b) Discuss in brief the features of the creel which helps in improving the performance in warping. **07**
- OR**
- (b) Discuss in detail recent developments in the Head stock of Direct warping machines. **07**
- Q.3** (a) Discuss in detail the features of state-of-the-art sizing machines. **07**
 (b) Discuss in brief about High Pressure Squeezing. **07**
- OR**
- Q.3** (a) Discuss in detail factors affecting the drying capacity of a cylinder drier. **07**
 (b) Explain the precautions of weaving Polyester/ Cotton blend yarns. **07**
- Q.4** (a) Explain the causes and remedies of 'Warp Streaks' in fabrics. **07**
 (b) Discuss in detail the principle and benefits of wet-in wet (wet size sow box). **07**
- OR**
- Q.4** (a) Explain the 10 point system of fabric inspection. **07**
Q.4 (b) Explain the finished fabric grading system. **07**
- Q.5** (a) Explain the causes and remedies of 'Starting Marks' in fabrics. **07**
 (b) Explain the grey room inspection system in detail. **07**
- OR**
- Q.5** (a) Explain control of productivity by control of loom speeds. **07**
 (b) Explain how the reed and heald parameters influence the warp breaks and hence productivity on the loom. **07**
