

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-III • EXAMINATION – WINTER 2014****Subject Code: 132903****Date: 23/12/2014****Subject Name: Weaving - I****Time: 02.30 pm - 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 the objects of winding machine? With suitable figure, explain different traverse motion for yarn winding. **07**
- (b) What is Tensioner? Give their classification and Explain Additive type of tensioner in details. **07**
- Q.2** (a) Describe tappet shedding mechanism with suitable diagram. **07**
- (b) Explain with a neat sketch unifil loom winder. **07**
- OR**
- (b) With neat sketch, Show the passage of material through pirn winding machine. **07**
- Q.3** (a) Describe about Capacitance type yarn clearer with a neat diagram. **07**
- (b) Write short note: 1) Yarn Faults, 2) Different wound package. **07**
- OR**
- Q.3** (a) Explain in briefly random and precision winding. **07**
- (b) In brief, explain the relationship between winding speed, surface speed and traverse speed with suitable diagram. **07**
- Q.4** (a) With the help of a neat sketch explain the passage of material through Plain Power Loom. **07**
- (b) Explain Beat-up mechanism with the help of suitable diagram. **07**
- OR**
- Q.4** (a) Write short note: "Loom Timing Diagram". **07**
- (b) Mentions the objects of shedding and explain types of shed with a neat sketch. **07**
- Q.5** (a) Write briefly on heald reversing mechanism. **07**
- (b) Write short note: "7 Wheel Take Up Mechanism". **07**
- OR**
- Q.5** (a) Explain Fast Reed motion with a neat sketch. **07**
- (b) Explain in short negative let off motion with a neat sketch. **07**
