

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-IV • EXAMINATION – SUMMER • 2014****Subject Code: 142803****Date: 23-06-2014****Subject Name: Yarn Preparation and 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) What are the objects of Winding? Discuss in brief about Multiplicative Tensioner. **07**
- (b) Explain the ways commonly used to traverse the yarn to build up the package. **07**
- Q.2** (a) With a block diagram explain Capacitance type clearer. **07**
- (b) Which are the methods of Weft preparation? **07**
Enlist the advantages of Rewound Weft.
- OR**
- (b) Explain the functions of basic components of a Winder. **07**
- Q.3** (a) With a neat and labeled diagram explain passage of warp through Ordinary Beam Warper. **07**
- (b) What are the objects of sizing? What sizing should do? **07**
- OR**
- Q.3** (a) Discuss various methods of Squeeze roller weightening. **07**
- (b) Discuss about Modern Size Box. **07**
- Q.4** (a) With a neat sketch explain passage of warp through a loom. **07**
- (b) Explain in detail beat-up mechanism with the help of a neat diagram. **07**
- OR**
- Q.4** (a) Explain in brief cone over pick mechanism with neat sketch. **07**
- (b) With the help of neat sketch explain 7-Wheel Take-up motion. **07**
- Q.5** (a) State objects of Let-Off mechanism. Explain in detail Negative Let-Off mechanism. **07**
- (b) Which are the various types of stop motions on Plain power loom. Explain any one stop motion with neat sketch. **07**
- OR**
- Q.5** (a) Describe in brief working of Climax dobby. **07**
- (b) Describe Working of any Jacquard. **07**
