

GUJARAT TECHNOLOGICAL UNIVERSITY**B. E. Sem. – IV - Examination –June- 2011****Subject code: 142803****Subject Name: Yarn Preparation & Weaving****Date:10/06/2011****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) State the objects of Tensioner on winding machine. **07**
Hence, describe various types of Tensioners briefly.
- (b) Explain the function of following parts of Plain power loom briefly: **07**
(i) Temples (ii) Reed (iii) Picker (iv) Race board
- Q.2** (a) Describe construction and working of Ordinary beam Warping machine **07**
briefly with neat sketch.
- (b) Describe Random winding briefly. **07**
- OR**
- (b) Describe features of Modern winders. **07**
- Q.3** (a) Discuss in detail about various ingredients used for preparing Size paste **07**
along with their function.
- (b) Describe construction and working of Multi Cylinder Sizing machine with a **07**
neat sketch.
- OR**
- Q.3** (a) Describe sectional warping process briefly. **07**
- (b) Describe working of ordinary pirn winding machine briefly with neat sketch. **07**
- Q.4** (a) Describe Tappet Shedding mechanism with neat sketch. **07**
- (b) Explain working of any one Picking mechanism with diagram. **07**
- OR**
- Q.4** (a) Explain working of any one Dobby with neat diagram. **07**
- (b) Explain the let off mechanism briefly with suitable diagram. **07**
- Q.5** (a) Describe construction and working of 7-wheel Take up motion briefly with **07**
neat sketch.
- (b) Describe Beat up mechanism briefly on plain power loom with neat sketch. **07**
- OR**
- Q.5** (a) Explain working of side weft fork motion with neat sketch. **07**
- (b) Describe different types of Open & closed shed with neat diagram. **07**
