

GUJARAT TECHNOLOGICAL UNIVERSITY**BE- IVth SEMESTER-EXAMINATION – MAY/JUNE- 2012****Subject code: 142803****Date: 29/05/2012****Subject Name: Yarn Preparation & 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) Draw a neat labeled diagram of passage of material on plain power loom and explain working of loom briefly. **10**
(b) Explain different types of sheds briefly. **04**
- Q.2** (a) Describe Precision winding briefly. **07**
(b) What is the function of yarn clearer? **07**
Describe different types of yarn clearers briefly.
- OR**
- (b) Describe modern developments in winding machines. **07**
- Q.3** (a) Describe ordinary pirn winding machine with neat sketch. **07**
(b) Describe conventional warping machine with neat sketch. **07**
- OR**
- Q.3** (a) Describe features of modern pirn winding machine. **07**
(b) Describe sectional warping briefly. **07**
- Q.4** (a) List out various sizing ingredients used for preparing size paste briefly along with their function. **07**
(b) Describe cone under pick mechanism with neat sketch. **07**
- OR**
- Q.4** (a) Describe two cylinder sizing machine with suitable sketch. **07**
(b) Describe beat up mechanism with neat sketch. **07**
- Q.5** (a) Describe working of single lift single cylinder jacquard with neat sketch. **07**
(b) Describe False twist texturising with neat sketch. **07**
- OR**
- Q.5** (a) Describe seven wheel take up motion with neat sketch. **07**
(b) Describe working of climax dobby with neat sketch. **07**
