

GUJARAT TECHNOLOGICAL UNIVERSITY**B.E. Sem-IV Examination June- 2010****Subject code:-142902****Date: 18 / 06 /2010****Subject Name: - Weaving-II****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 sketch of franz muller high speed beam warping machine (model-z2) and give it salient features. **07**
- (b) Write short notes on:- **07**
- (i) Measuring and self stopping motion.
 - (ii) Singleton's thread stop motion.
- Q.2** (a) Why sizing is carried out? List out important sizing ingredients and describe their objects in short. **07**
- (b) Write in short on filament sizing. **07**
- OR**
- (b) Discuss in detail about any modern size box. **07**
- Q.3** (a) Explain construction and working of keighley dobby. **07**
- (b) Give characteristics of single and double lift dobby. Also give advantages and drawbacks if any. **07**
- OR**
- Q.3** (a) Discuss construction and working of cam/tappet dobby. **07**
- (b) Discuss about the knowl's positive open shed dobby. **07**
- Q.4** (a) Draw neat sketch of eccle's drop box mechanism. **07**
- (b) Explain construction and working of eccle's drop box mechanism. **07**
- OR**
- Q.4** (a) Explain about card saving device at drop box. **07**
- (b) With suitable example prepare a card chain of 72 picks design for 4x1 drop box. **07**
- Q.5** (a) Answer the following:- **07**
- (i) Write in short on pressure cooker for size preparation.
 - (ii) List out different size creels. Explain any two in detail.
- (b) Write short notes on:- **07**
- (i) Beam drawing in.
 - (ii) Why we go for sectional beam warping? Give salient features of sectional beam warping machine.
- OR**
- Q.5** (a) Write short notes on:- **07**
- (i) Brake arrangement at high speed beam warping machine.
 - (ii) Ordinary v/s high speed beam warping machine.
- (b) Write short notes on:- **07**
- (i) Size auto level control.
 - (ii) Ordinary v/s modern size box.
