

GUJARAT TECHNOLOGICAL UNIVERSITY**B. E. Sem. – IV - Examination –June- 2011****Subject code: 142902****Subject Name: Weaving-II****Date:08/06/2011****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) Classify dobbies. With the help of neat diagram, explain the working of Climax dobby in detail. **07**
- (b) Explain, in detail, timings and settings of dobbies. Also, explain their influence on performance of dobbies. **07**

- Q.2** (a) With the help of neat diagram, explain in detail the Eccentric cam drop box motion. **07**
- (b) State some of the features of positive dobbies. Explain Knowles positive dobby with the help of neat diagram. **07**

OR

- (b) State and explain different types of ingredients used in a size mixture. **07**

- Q.3** (a) State and explain the principle of working of Single End Sizing M/c. With the help of neat diagram, explain the same in detail. **07**
- (b) Compare Beam with Sectional Warping process. Explain the Beam Warping process in detail with the help of neat diagram. **07**

OR

- Q.3** (a) Explain the modern developments taken place in the area of warping. **07**
- (b) With the help of neat diagram, explain in detail the 2 x 1 box motion. **07**

- Q.4** (a) State and explain modern controls and developments in sizing machine. **07**
- (b) Explain different parameters affecting the size pick-up during the process of sizing. **07**

OR

- Q.4** (a) Explain, in detail, the steps involved in the planning for coloured warp threads during the process of warping. **07**
- (b) Explain the methods of drawing in Knotting machines for warp threads. **07**

- Q.5** (a) Explain the method of preparation of size mixture for cotton yarn and fabric in detail. **07**
- (b) Explain some of the salient features of an electronic dobby. Also state its advantages over mechanical dobby. **07**

OR

- Q.5** (a) Explain, in detail, different types of creels used in warping machines with the help of neat diagrams. **07**
- (b) With the help of neat diagrams, explain the mechanism for driving and selection of pattern cylinders in case of Cross Border dobby in detail. **07**
