

GUJARAT TECHNOLOGICAL UNIVERSITY**BE SEM-IV Examination-Nov/Dec-2011****Subject code: 142902****Date: 28/11/2011****Subject Name: Weaving-II****Time: 02.30 pm -5.00 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 features of High Speed Beam Warping machine. **07**
(b) Only draw a neat diagram of Stauble(Cam) dobby alongwith the name of the parts. **07**

- Q.2** (a) Give the functions of Binders, Softeners, Deliquidicents and Anticeptics. **07**
(b) Discuss in detail about B.C.Warper type C machine with a neat sketch. **07**

OR

- (b) Give differences between Ordinary size-box and Modern size-box. **07**

- Q.3** Explain the construction & working of Eccle's Drop-box mechanism with a neat diagram. **14**

OR

- Q.3** With a neat sketch explain the working of Singleton's thread stop motion and Measuring & self-stopping motion. **14**

- Q.4** (a) Discuss briefly about Ruti auto size-box with it's features. **07**
(b) Explain different types of Warping creels with their neat sketches. **07**

OR

- Q.4** (a) Describe Shirley auto size-box and it's controls. **07**
(b) Explain the working of Pressure cooker for size preparation. **07**

- Q.5** (a) Discuss in detail about the concepts of Sectional beam warping process. **07**
(b) State the objects of sizing & mention the factors affecting size pick-up during sizing process. **07**

OR

- Q.5** (a) Discuss in detail about Sucker air drying arrangement. **07**
(b) Explain the construction & working of Brake arrangement at high speed beam warping machine. **07**
