

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-III • EXAMINATION – SUMMER 2013****Subject Code: 132903****Date: 27-05-2013****Subject Name: Weaving - I****Time: 02.30 pm - 05.00 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) Give classification of motions of loom and discuss in short function of each mechanism. **07**
(b) State the objects of Winding process. Discuss on Additive & Multiplicative yarn tensioner. **07**
- Q.2** (a) Which are the methods of Weft preparation? Enlist the advantages of Rewound Weft. **07**
(b) With a neat sketch explain Negative Tappet Shedding motion. Also give timing & setting of it. **07**
- OR**
- (b) Define Draft, Design and Peg plan with suitable example. Discuss different types of healds. **07**
- Q.3** (a) What do you mean by patterning formation? Give causes and remedies of it. **07**
(b) Give classification of yarn clearer. Discuss on mechanical yarn clearer **07**
- OR**
- Q.3** (a) With a neat sketch explain Cam Traverse motion on a winder. **07**
(b) What are the objects of yarn clearer? Discuss on Capacitance type yarn clearer. **07**
- Q.4** (a) Give causes and remedies of any four fabric defects. **07**
(b) Give construction, working and setting of Negative Let-off mechanism with a neat sketch. **07**
- OR**
- Q.4** (a) With a neat sketch explain construction and working of Cone over pick mechanism. **07**
(b) Discuss in short on Shuttle retardation. **07**
- Q.5** (a) Discuss on Fast reed warp protector mechanism with a neat sketch. **07**
(b) Discuss on types of winding packages, balloon breaker and creel of winding machine. **07**
- OR**
- Q.5** (a) With a neat sketch explain 5-wheel take up mechanism. Discuss timing and setting of it. **07**
(b) Discuss the features of modern winding machine. **07**
