

GUJARAT TECHNOLOGICAL UNIVERSITY
BE - SEMESTER-III • EXAMINATION – SUMMER 2014

Subject Code: 132903**Date: 26-05-2014****Subject Name: Weaving - I****Time: 02:30 pm to 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) Explain Loom timing diagram in detail. 07
(b) Draw a neat sketch for passage of yarn through the loom with name of the parts and their functions. 07
- Q.2** (a) Give the objects of yarn clearer. Describe capacitance type clearer. 07
(b) Mention the stages of manufacture in conversion of yarn to fabric by a chart. 07
- OR**
- (b) State the objects of winding and explain precision winding. 07
- Q.3** (a) What are the advantages of rewind weft? 07
(b) Discuss in detail about different type of tensioners. 07
- OR**
- Q.3** (a) Define-Weaving. Classify different weaving techniques. 07
(b) Explain broken thread stop motion at winding machine. 07
- Q.4** (a) Give construction & working of under pick mechanism of ordinary loom. 07
(b) What is Shedding? Explain different types of sheds. 07
- OR**
- Q.4** (a) Explain construction & working of 7 wheel take-up motion. 07
(b) Write notes on-Yarn faults & Package faults. 07
- Q.5** (a) Explain construction & working of Beat-up mechanism. 07
(b) Write notes on-Modern winders. 07
- OR**
- Q.5** (a) Give construction & working of negative let-off mechanism of plain loom. 07
(b) Write notes on-Types of Knots & Splicing. 07
