

GUJARAT TECHNOLOGICAL UNIVERSITY
BE – SEMESTER – VI (NEW).EXAMINATION – WINTER 2016

Subject Code: 2162907**Date: 26/10/2016****Subject Name: Weaving Technology-III****Time: 10:30 AM to 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) What is weft Reserve? Explain photo-electric feeler in detail. **07**
 (b) Discuss the tension variation factors for let-off motion . **07**
- Q.2** (a) Explain the construction & working of shuttle –eye and temple cutters of auto loom. **07**
 (b) Give the differences between Loom winder & Bobbin loader. Explain loom winder in detail **07**
- OR**
- (b) Explain construction and working of midjet feeler. **07**
- Q.3** (a) Compare auto shuttle change and bobbin change looms. **07**
 (b) Explain the principle of automatic negative let-off mechanism. **07**
- OR**
- Q.3** (a) Give the different types of jacquard tie-ups and explain any one in detail. **07**
 (b) With a neat diagram explain the construction and working of Bartlett let-off motion. **07**
- Q.4** Draw a neat sketch of Double lift Double cylinder jacquard ,explain it's construction and working. **14**
- OR**
- Q.4** Explain construction and working of Single lift Single cylinder jacquard with a neat diagram. **14**
- Q.5** (a) State the advantages & disadvantages of automatic looms. **07**
 (b) Explain Cylinder, Lingo and Harness with respect to jacquard machine. **07**
- OR**
- Q.5** (a) With a suitable example explain casting-out in jacquard. **07**
 (b) Explain any one mechanical type auto warp stop motion with a diagram. **07**
