

GUJARAT TECHNOLOGICAL UNIVERSITY**BE - SEMESTER-VI (NEW) EXAMINATION – WINTER 2018****Subject Code:2162907****Date:30/11/2018****Subject Name:Weaving Technology-III****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) Give classification of automatic shuttle looms. **03**
 (b) State the merits & demerits of Automatic looms. **04**
 (c) Explain working principle of single lift single cylinder jacquard with neat sketch. **07**

- Q.2** (a) Give classification of feeler. **03**
 (b) State the requirements for efficient working of cop change looms. **04**
 (c) Explain cop change mechanism in detail with neat sketch. **07**

OR

- (c) Explain Two Prong weft feeler with neat sketch. **07**
Q.3 (a) Compare Loom winder & Bobbin loader. **03**
 (b) State the objects of let off. Compare positive let off with negative let off. **04**
 (c) Explain the working of shuttle eye cutter and temple cutter with a neat figure. **07**

OR

- Q.3** (a) State the object of warp stop motion. **03**
 (b) What do you mean by fancy weaving? Explain with example. **04**
 (c) Explain, in detail, any one type of shuttle change mechanism with the help of neat diagram. **07**

- Q.4** (a) State the requirements for production of madras muslin fabrics. **03**
 (b) State the requirements for production of lappet fabric. **04**
 (c) Explain different methods used to produce terry fabrics in detail. **07**

OR

- Q.4** (a) Give classification of jacquards. **03**
 (b) State the functions of Hooks, Needles & Harness. **04**
 (c) Explain the working principle of Double lift single cylinder jacquard with neat diagram. **07**

- Q.5** (a) State the requirements for production of leno fabrics. **03**
 (b) State some of the essential requirements for weaving of blended and filament yarns. **04**
 (c) With the help of neat diagram, explain leno mechanism in detail. **07**

OR

- Q.5** (a) What is fine pitch and coarse pitch jacquard? **03**
 (b) Explain about casting out. **04**
 (c) With the help of neat diagram, explain automatic warp stop motion in detail. **07**
