GUJARAT TECHNOLOGICAL UNIVERSITY

BE - SEMESTER-V (OLD) - EXAMINATION - SUMMER 2017

Subject Code: 152902

Subject Name: Weaving - III

Time: 02:30 PM to 05:00 PM

Instructions:

- 1. Attempt all questions.
- 2. Make suitable assumptions wherever necessary.
- 3. Figures to the right indicate full marks.
- Q.1 (a) Compare cop change with shuttle change loom in detail. 07
 - (b) Classify weft feelers. With the help of neat diagram, explain the working of **07** two-prong electrical feeler in detail.
- Q.2 (a) State the requirements for efficient working of bobbin loader. With the help of 07 neat diagrams, explain the working of bobbin loader.
 - (b) With the help of neat diagram, explain automatic warp stop motion in detail. 07

OR

- (b) With the help of neat diagrams, explain the working of cop change mechanism 07 in detail.
- Q.3 (a) Give classification of automatic shuttle looms. With the help of neat diagram, 07 explain any one stop type shuttle change loom in detail.
 - (b) With the help of neat diagrams, explain the working of loose reed type terry 07 mechanism in detail.

OR

- Q.3 (a) State the requirements for production of lappet fabrics. With the help of neat diagram, explain the mechanism provided for lifting and lowering of needle bars.
 - (b) With the help of neat diagram, explain the working of loom winder in detail. 07
- Q.4 (a) State the objects of let-off mechanism. With the help of neat diagram, explain 07 the working of let-off mechanism in detail.
 - (b) State the objects of weft cutters provided on automatic shuttle looms. With the help of neat diagram, explain the working of shuttle eye cutter in detail.

OR

- Q.4 (a) State different types of jacquard tie-ups. With the help of neat diagrams, explain 07 any one type in detail.
 - (b) With the help of neat diagrams, explain construction and working of double lift, 07 double cylinder jacquard.
- Q.5 (a) With the help of neat diagram, explain the driving arrangement provided for 07 pattern cylinder of single lift, single cylinder jacquard.
 - (b) Explain, in detail, different parts of jacquard with the help of neat diagrams. 07

OR

- Q.5 (a) State the requirements for production of madras muslin fabrics. With the help of neat diagram, explain the mechanism used for lifting and lowering of gauge reed in detail.
 - (b) Discuss about casting out in jacquard with suitable example.

07

Total Marks: 70

Date: 05/05/2017

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