

(Following Paper ID and Roll No. to be filled in your Answer Books)

**PAPER ID :**

**Roll No.**

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**B.TECH.**

**Theory Examination (Semester-IV) 2015-16**

**PRINCIPLES OF FABRIC MANUFACTURE**

**Time : 3 Hours**

**Max. Marks : 100**

Note – Attempt any five questions. All questions carry equal marks.

1. Attempt the following
  - a) Explain the objective yarn winding. Describe with a neat sketch working of Automatic cone winding machine.
  - b) Discuss different winding faults and their remedies.
2. Attempt the following
  - a) Describe the objective of weft winding? Describe features of a fully automatic Pirn winding machine.
  - b) Explain working principles of Beam Warping Machine with the description of its different parts.
3. Attempt the following
  - a) How the defects of beam warping are removed? Discuss principle of sectional warping machine.
  - b) Describe the various types of sizing creels.
4. Attempt the following
  - a) What are different motions of a power loom? Describe in detail.
  - b) Discuss features of Automatic Looms.
5. Attempt the following
  - a) Describe features of modern winding machines.
  - b) What are the main features of High Speed Beam Warping Machine?
6. Attempt the following
  - a) Append a recipe used for medium sizing of cotton yarn.
  - b) Elaborate Fabric faults and their remedies.

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