

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

**Paper ID : 164607**

**Roll No.**

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**B.TECH.**

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

**FABRIC MANUFACTURE III**

***Time : 3 Hours***

***Max. Marks : 100***

**Section-A**

- 1. Attempt all questions. All questions carry equal marks.  
Write answer of each part in short. (2×10=20)**

- (a) Name the different unconventional picking systems.
- (b) What are the disadvantages of shuttle loom and shuttle less loom?
- (c) Name 2 unconventional selvages.
- (d) Draw the figure of tuck in selvages.
- (e) What is jacquard system?
- (f) What is the weight of projectile?

- (g) What is dummy selvedge?
- (h) What is the use of comber board in jacquard?
- (i) What is piano card cutting machine?
- (j) What are lingoes in jacquard machine?

### **Section-B**

**2. Attempt any five questions from this section. (10×5=50)**

- (a) Write down the principle and construction of a single lift single cylinder jacquard.
- (b) Write down the principle and construction of a double lift double cylinder jacquard.
- (c) Classify rapier weaving machines.
- (d) Describe Gabler system.
- (e) Write down the main features of projectile weaving machine.
- (f) Describe cam beat up mechanism.
- (g) Describe the principle of telescopic rapier.
- (h) Describe the principle of multiphase loom.

## Section-C

**Note : Attempt any two questions from this section. (15×2=30)**

3. Describe projectile picking mechanism.
4. Derive the expressions and a schematic representation when weft yarns are straight and warp yarns are jammed.
5. Describe working principle of any air jet picking system.

