# (Following Paper ID and Roll No. to be filled in your Answer Books) Paper ID: 164607 Roll No.

# 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.  $(2\times10=20)$ 
  - (a) Name the different unconventional picking systems.
  - (b) What are the disadvantages of shuttle loom and shuttle less loom?
  - (c) Name 2 unconventional selvedges.
  - (d) Draw the figure of tuck in selvedges.
  - (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**

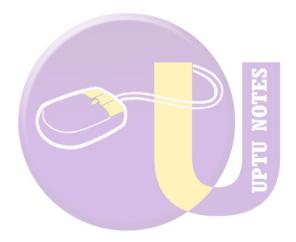
# 2. Attempt any five questions from this section. $(10 \times 5 = 50)$

- (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. $(15\times2=30)$

- 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.



(3) P.T.O.