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

**Paper ID : 164407**     **Roll No.** □□□□□□□□□□□

## B.TECH.

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

### FABRIC MANUFACTURE-II

*Time : 3 Hours*                              *Max. Marks : 100*

**Note- All Questions of Section A, 5 questions from Section B and 2 questions from Section C are to be attempted.**

### Section-A

**1.    Attempt all questions.**                    **(2×10=20)**

a)    Name the salient features of Automatic loom.

(b)    Write down the speed of a 40 inches ordinary power loom and Automatic power loom.

(c)    In what conditions dobbies are used.

(d)    What is difference between negative and positive dobby.

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(e)    In what conditions Multiple boxes are used.

(f)    What is difference between drop box and circular Box.

(g)    What do you understand warp protectors, How many types of they are.

(h)    What is the function of Warp Stop motion.

(i)    Why centre weft stop motion is better than side weft stop motion.

(j)    In what way 7 wheel take motion is better than 5 wheel take up motion.

**Section-B**

2.    **Attempt any five parts of the following.**    (**10×5=50**)

(a)    How Automatic loom is superior than ordinary power loom.

(b)    Speed of an automatic loom is 200rpm pick per inch in the cloth are 40, loom is running at 95 % efficiency calculate production of loom in 8 hrs. It production is to be increased by 10%  calculate the required number of picks per inch.

(c) Taking an example of weave, show with the help of diagram how lattice pegging is done.

(d) With help of sketch, describe the function of drop box mechanism.

(e) Decribe the function of weft feeler mechanism with the help of a sketch.

(f) How dividend is calculated in 5 wheel take up motion.

(g) What is the function of temples. How many types of temples do you know.

(h) How bobbin loader looms are superior than normal automatic loom.

**Section-C**

**Note: Attempt any two parts of the following.    (15×2=30)**

**3.** With the help of sketch describe the working of pirn changing mechanism.

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**4.** Describe the function of climax dobby with the help of a sketch.

**5.** Differentiate between negative and positive let off motion in details.