Roll No. ☐☐☐☐☐☐☐☐☐☐☐   Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(Textile) (2011 Onwards)   (Sem.–5)
FABRIC MANUFACTURE – II
Subject Code : BTTE-503
Paper ID : [A2732]

Time : 3 Hrs.   Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :
1. **SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.**
2. **SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.**
3. **SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.**

SECTION-A

1) **Answer briefly :**

   a. Why weft accumulators are used in non conventional looms?

   b. What is *'Bumping Condition'* in weaving?

   c. Why temples are used in looms?

   d. What are the main features of automatic loom?

   e. What is Multiphase Loom?

   f. What are the different types of weft protector motions of loom?

   g. Mention the purpose of using the warp stop motion.

   h. What are the different types of non conventional looms? Mention.

   i. What is *'weaving resistance'*?

   j. Define *'Bending Factor'*.

SECTION-B

2) Describe the Projectile loom Torsion bar picking mechanism.

3) What are the different types of tension variation in negative let-off?

4) Describe a Keighley Dobby with sketch.

5) Show that shifting of dead weight gives the solution to the tension variation of warp arises during the weaving on negative let-off system.

6) What is Gabler and Dewas system of pick insertion? Explain.

SECTION-C

7) Explain a Seven wheel take up motion and calculate the PPI. (Assume the change wheel = 60 T)

8) Elaborate the principle and working of Double Lift Double Cylinder Jaquard with neat sketches.

9) Describe any positive continuous Let-off mechanism.