Third Semester
Textile Technology
Scheme July 2008
INTRODUCTORY WEAVING - 302

Time : Three Hours *Maximum Marks : 100*

Note : i) Attempt total six questions. Question No. **1** is compulsory. From the remaining questions attempt any five.

ii) Give sketch wherever necessary.

1. Write short answer of the following: 5×2=10
   a) Dwell period of Tappet
   b) Loose reed motion
   c) Define Tex System
   d) Define Reed Count
   e) Name the different wheels of seven wheel take up motion.

2. What do you mean by eccentricity of Sley's Motion? A loom have 12" crank arm and 3" of crank. Calculate the eccentricity of the loom. 18

3. a) What are the advantages of "under pickmotion" over "over pick motion"? 6
   b) Explain the working of over pick motion with neat sketch. 12

4. What is meant by "Fast-Reed" and "Loose Reed" motion of a loom? Sketch and describe the working of loose reed motion. 18

5. Write short notes on any three of the following: 3×6=18
   a) Negative let off motion
   b) Tappet shedding motion
   c) Temples
   d) Hand loom

6. What is the object of side weft fork motion? Explain the working of side weft fork motion with neat sketch. 18

7. a) Calculate the count of three fold cotton yarn composed 12^s, 16^s and 18^s singles. 6

   b) A sulzer loom is running at 276 rpm and producing a cloth with 46 picks per inch. If the efficiency of the loom is 85%. Calculate the production of the loom per day of 8 hours. 12

8. a) If 120 yards of worsted yarn weight 50 grains, what is the count of yarn? 4

   b) Convert 150 denier into Tex System. 3

   c) Convert 36^s cotton yarn into Denier System. 3

   d) One thread of an unknown count, when folded together with another of 72^s cotton, gives a two gold yarn of 31.5^s cotton. Calculate the count of the unknown thread. 8