

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

Paper ID : 160402

Roll No.

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B.TECH.

Theory Examination (Semester-IV) 2015-16

FABRIC MANUFACTURE-II

Time : 3 Hours

Max. Marks : 100

Note: Attempt all questions.

(10×2=20)

- Q1. (a) Sketch and describe about cone and cheese package.
- (b) What is the role of pressure roll on the beam during warping?
- (c) How missing ends of warping beam effects the working in subsequent process?
- (d) Find out the length of yarn on a yarn cone having 2.2 kg net yam of 40s combed cotton yarn.
- (e) Discuss the role of warp stop motion of warping m/c.

- (f) Discuss- “Quality Sized Beam”?
- (g) Discuss- missing ends, cross ends.
- (h) What is a role of hygroscopic material in a size-recipe?
- (i) Define light, medium, heavy size.
- (j) What will be the effect on yarn count after sizing?

Section-B

Q2. Attempt any five questions (5×10=50)

- (a) Discuss in brief mill warping and show passage of yarn in any type of warping m/c.
- (b) Give a brief description of production rate of various type of warping m/c with their respective speed and range of ends per beam?
- (c) What care should be taken during process of warping ?
- (d) What are the factors which govern the productivity of warping m/c?
- (e) Discuss various sized beam defects with remedies?

- (f) Discuss - “What sizing should do?”
or “What sizing should not do?”
- (g) Discuss the factors which effect the productivity of a sizing machine.
- (h) Explain various methods of yarn drying on slasher sizing m/c.

Section-C

Note: Attempt any two questions: (2×15=30)

- Q3. When sectional warping process is preferred to produce weaver's beam? What care should be taken during warping and beaming?
- Q4. Sketch any two types of back-beam creel on modern high-speed sizing m/c. How yarn stretch is controlled before sow-box on the sizing m/c.
- Q5. “The viscosity and size level control are very important factors to produce quality sized-beam”. Justify.