

Printed Pages : 3



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NTT-402

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

PAPER ID : 160402

Roll No.

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B-TECH

**(IV) EVEN SEMESTER THEORY
EXAMINATION (2014-15)**

FABRIC MANUFACTURE -II

Time : 3 Hours]

[Total Marks : 100

Note: (1) Attempt all the Questions.

(2) Support your answer with examples and sketches wherever necessary.

(3) Attempt any two parts from each of the following questions.

1. a. Discuss the objectives of warping and how they are achieved.
- b. Classify the warping machines with a brief description of each.

- c. Discuss the contribution of tensioner and warp stop motion for producing quality warpers beam.
2. a. What do you mean by direct warping? Discuss the working principle with suitable examples.
- b. Discuss the rules which should be observed for making sections on sectional warping machine. Support your answer with suitable examples.
- c. A warper's beam contains 12600 yards of warp wound on it. The number of ends in the warp are 420 and the gross weight of beam is 361 lbs. If the Tare weight of beam is 51 lbs. Calculate the count of Yarn on beam.
3. a. Why yarns are slashed? Name the different Ingredients normally used for making sized paste with their respective objectives.
- b. Give a brief description of different drying systems with their technical advantages.
- c. Describe the factors which effect sized pick-up? Also give a suitable recipe to size 36's cotton warp to weave 2/1 Twill.
4. a. Discuss the various beam fault with their remedial measures.
- b. Discuss the role of moisture content and stretch % of warp yarn for good and efficient weaving
- c. Discuss various drying methods adopted for sized warp during the process of sizing with their relative advantages.
5. a. Discuss the cause of lappers and migrated ends? How would you control it.
- b. Find out the total weight of sized warp if the output of sizing machine is 75yds/min. If the total ends on the beam is 3250. Sized percentage is 10%. Count of unsized warp is 40's. Total length of warp is 36000 yds. Also calculate the count of sized warp.
- c. What do you mean by drawing-in and denting process?

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