



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

PAPER ID : 161503

Roll No.

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B.Tech (Textile Technology)

(Sem- V) Odd Semester Theory Examination 2014-15

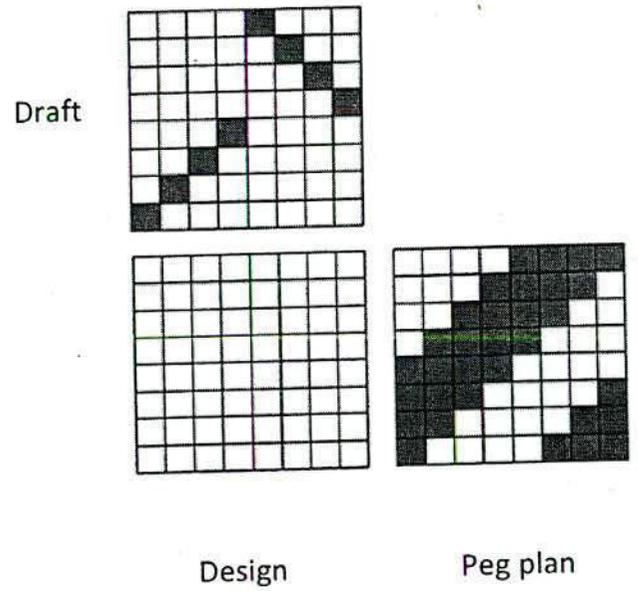
Fabric Structure

Time: 2 hours

Total Marks: 50

- Note: i) Attempt all questions.
ii) All questions carry equal marks.
iii) On request graph sheets may be provided
1. Attempt any **two** parts of the following:
 - a) Describe in detail the basic elements of woven design.
 - b) Mention the basic characteristics of a plain weave. Prepare warp rib and weft rib weave on graph paper.
 - c) Describe matt or hopsack weave. Prepare 2 x 2 matt weave with draft and peg plan.
 2. Attempt any **two** parts of the following:
 - a) Give the design, draft and peg plans for the following combination twill:
3/3 and 2/4 twill - end and end combination

- b) What are the basic characteristics of satin/sateen weaves.
- c) A design has following draft and peg plan. Construct the design on graph paper based on given draft and peg plan.



3. Attempt any **two** parts of the following:

- a) construct an Mock leno weave on 10 x 10 size repeat on a graph paper with draft and peg plan.
- b) Prepare design, draft, and peg plan for a 7 shafts ordinary honey comb weave.
- c) What is crepe weave? Prepare the design of a crepe weave based on 8 end satin.

- 4. Attempt any **two** parts of the following:
 - a) Bring out five comparisons between extra warp and extra weft figuring.
 - b) Write short note on End to End combined twill.
 - c) Mention the salient features of welt and pique structures.

- 5. Attempt any **two** parts of the following:
 - a) What is the Difference between self and centre stitched double cloths.
 - b) What are backed fabrics? Compare between warp backed & weft backed fabric.
 - c) Prepare the design for a self stitched double cloth having the following particulars :
 - Face weave - Plain
 - Back weave - Plain
 - Ratio of face to back ends - 1 : 1
 - Ratio of face to back picks - 1 : 1

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