

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Explain the importance of the various types of draft plans and indicate their practical utility.
- Q.4 Draw the design, draft and peg plans for the following transposed twill:
- (a) 5/5 twill on a transposition of 2^s - repeat size of 10x10
 - (b) 4/4 twill on a transposition of 4^s - repeat size of 8x8
- Q.5 Give the design, draft, peg plan and cross section for a plain faced bed ford cord on alternate picks. The ratio of face to cutting ends is 8:2.
- Q.6 Give the design, draft, peg and denting plan for a perforated type of mock leno on a repeat of 8x4.
- Q.7 Give the design, draft and peg plan for a huck a back weave on a repeat size of 6x16.

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3rd Sem. / Textile Design/TT/TP

Subject : Fabric Structure-I

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1
- a) What is the repeat of a weave?
 - b) Give an example of weave which use divided draft.
 - c) Give the other names of matt weave.
 - d) Mention the end uses of rib weaves.
 - e) Mention the basic characteristics of twill weaves.
 - f) Mention the practical utility of corkscrew weaves.
 - g) Mention the end use of honey comb weaves.
 - h) What are wadding threads?

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- i) What are welts?
- j) State the features of a cambric.
- k) What is twist-twill interaction?
- l) What is a chiffon fabric?
- m) What is denting plan?
- n) What is garbedine?
- o) Give the practical utility of distorted warp designs.
- p) Define the term 'weave'.
- q) How are woven fabric classified?
- r) What is a sponge cloth?

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- i) When are skip and 'sateen' drafts used?
 - ii) What are the basic elements of woven design?
 - iii) Draw the design, daft and peg plan of 2/3 rib.

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- iv) Draw the design, daft and peg plan of 6/4 warp faced twill.
- v) What are re-arranged twills? Classify them.
- vi) Mention the characteristics of Brighton honey comb weaves.
- vii) Mention the basic features of huck a back weaves?
- viii) Discuss the important distinctions between a plain and a twill faced Bedford cord.
- ix) Differentiate welts and Bedford Cords.
- x) Mention the loom equipment necessary for manufacturing pique structures.
- xi) Discuss the characteristics of a denim with the design.
- xii) Differentiate between satin and sateen weaves with suitable examples.
- xiii) What is angle of twill? How is it influenced?
- xiv) Explain the various elements of woven design with an example.
- xv) How are perforated fabrics constructed?

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