

SECTION-C

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

- Q.3 Discuss the working principle of precision winding machines. Illustrate your answer with the help of suitable diagram. Also show various parts and their setting for above machine.
- Q.4 What are the objectives of warping machines? With the help of neat diagram, explain the working principle of sectional warping machines. Also mention its merits and demerits over beam warping machine.
- Q.5 What are the salient features of slasher sizing machines? How it differs with other sizing machine? With the help of suitable diagram, draw the passage of yarn through sizing machine.
- Q.6 With the help of suitable warp colour pattern and weave pattern, calculate the yarn requirements of each colour, reed count, warp length, heald count. Assume necessary data yourself.
- Q.7 What are the objectives of drafting and denting? Discuss the various procedures adopted while drafting and denting. Also mention the precautions to be taken during drafting and denting.

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3rd Sem. / Text. Design

Subject : Fabric Manufacture-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 do you mean by "cones and cheeses"?
- b) What are the objectives of weft winding?
- c) Define dents.
- d) What do you understand by "yarn faults"?
- e) What is beam warping?
- f) What are drawing hooks?
- g) Define softeners?
- h) What are yarn clearers?
- i) What is warp-tying?
- j) What do you mean by drawing-in?

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- k) What are sizing defects?
- l) Define warping
- m) What do you mean by pointed draft?
- n) What are size adhesives?
- o) Define reed
- p) What do you mean by heald count?
- q) What do you mean by traverse?
- r) Define wind angle

SECTION-B

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

- Q.2
- i) Compare between sizing and warping.
 - ii) Compare between splice and knot.
 - iii) With the help of suitable diagram, Explain the different types of winding faults
 - iv) Differentiate between beam warping and sectional warping.
 - v) With the help of suitable diagram, Explain the passage of yarn through drum winding machine.

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- vi) What are the methods of preparing sized beam?
- vii) With the help of suitable diagram, show the passage of warp through beam warping machine.
- viii) What are the special attachments required in sizing machine to avoid warp stretching?
- ix) With the help of diagram, discuss the parts of sectional warping machine.
- x) With the help of suitable designs, Explain the formation of denting plan in weave design.
- xi) Classify sizing machines.
- xii) Explain the importance of balloon breaker in winding machine.
- xiii) With the help of suitable designs, Explain the precautions to be taken during sectional warping.
- xiv) Explain the various defects caused during warping.
- xv) Differentiate between piecing and knotting.

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