

CBCS SCHEME

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Third Semester B.Tech. Degree Examination, Dec.2019/Jan.2020 Weaving Technology – I

Time: 3 hrs.

Max. Marks: 100

Note: Answer any FIVE full questions, choosing ONE full question from each module.

Module-1

- 1 a. Explain with help of flow chart sequence of operation in warp and weft preparation. (10 Marks)
b. State the objects and principles of winding. (10 Marks)

OR

- 2 a. Differentiate between Drum winder and precision winders. (10 Marks)
b. State the types of yarn clearer. Explain any one electronic yarn clearer with a neat diagram. (10 Marks)

Module-2

- 3 a. State the usefulness of uster-classimate in selecting optimum clearing in winding. (10 Marks)
b. State the salient features of autoconer and give the passage of material through autoconer with a neat diagram. (10 Marks)

OR

- 4 a. State the package defects. Explain the causes and remedies for the following package defect:
i) Stitches or Jali
ii) Soft nose or base
iii) Patterning or ribboning. (10 Marks)
b. Discuss the importance of material handling in the winding department. Give the precautions to be taken during transportation. (10 Marks)

Module-3

- 5 a. State the types of creels used in warping. Explain any two types of creel with a neat figure. (10 Marks)
b. Explain the passage of material through warping machine and give the functions of each part. (10 Marks)

OR

- 6 a. What is sectional warping machine? Explain the passage of material through sectional warping machine with a neat sketch. (10 Marks)
b. Explain the working of Schweiter automatic pirn winding machine with a neat sketch. (10 Marks)

Module-4

- 7 a. State the objects of sizing. Explain the functions of various ingredients used in size preparation. (10 Marks)
b. With a neat sketch, explain the injection cooker and state its advantage. (10 Marks)

Important Note : 1. On completing your answers, compulsorily draw diagonal cross lines on the remaining blank pages.
2. Any revealing of identification, appeal to evaluator and /or equations written eg. 42+8 = 50, will be treated as malpractice.

OR

- 8 a. Explain the passage of material through slasher sizing machine with a neat diagram. (10 Marks)
- b. Explain the following:
- i) Creels used in sizing of warp yarns
 - ii) Saw box. (10 Marks)

Module-5

- 9 a. Explain with a neat diagram the working of multi cylinder drying and size pick up. (10 Marks)
- b. Explain the recent developments in sizing. (10 Marks)

OR

- 10 a. Explain the various methods of drawing-in and denting. (10 Marks)
- b. Explain size defects and their remedies. (10 Marks)

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