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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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