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Seventh Semester B.Tech. Degree Examination, June/July 2023 Fabric Structure and Design - II

Time: 3 hrs.

Max. Marks: 100

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

Module-1

- 1 a. What are Welts and Piques? Explain with a suitable design of a 2 – pick plain pique weave along with its end uses. (10 Marks)
- b. With suitable motif, explain the construction of a 4 – pick fast backed figured pique weave structure. (10 Marks)

OR

- 2 a. Compare and contrast extra warp and extra weft fabric. With a suitable motif, explain the construction of an extra warp figured weave. (10 Marks)
- b. What are the objects of production of backed fabrics? Construct a warp backed wave and explain the stages of construction. (10 Marks)

Module-2

- 3 a. What are the double cloths? With a suitable diagrams, explain the classification of double cloths. (10 Marks)
- b. With a suitable motif, explain the stages of construction of self stitched double cloth design, using any one principle. (10 Marks)

OR

- 4 a. Explain the rules to be followed for perfect placement of stitching process in centre stitched double cloths. (10 Marks)
- b. What are Interchanging double cloths? With the help of a design, show the construction of a stripe effect produced by changing the position of separating lifts. (10 Marks)

Module-3

- 5 a. State the difference between Gauze and Leno fabrics. With the help of line diagram, explain the three basic shedding mechanism required to produce a plain Leno fabrics. (10 Marks)
- b. Explain the principles of Leno weaving with appropriate sketches. (10 Marks)

OR

- 6 a. Explain with suitable diagram, the following :
i) Russian cords ii) Easer motion in leno weaving. (10 Marks)
- b. Compare and contrast Damask and Brocade fabrics. Explain with own motif the method of developing true damask design. (10 Marks)

Module-4

- 7 a. Explain the classification of Weft pile fabrics. With the help of suitable motif, explain the construction of a weft pile fabric design with fast pile principle along with cross - section. (10 Marks)
- b. How are Corded Velveteens produced? With a suitable design, explain the construction of a corded velveteen fabrics. (10 Marks)

OR

- 8 a. With the help of a design, explain how warp pile fabrics produced by using Wire method. (10 Marks)
- b. Describe the production of Warp pile fabrics by face – to – face principle. Give reasons why this system is preferred than Wire method. (10 Marks)

Module-5

- 9 a. With a suitable diagram and design, explain the formation of terry pile. Mention its end uses. (10 Marks)
- b. Explain the method of production of figured terry pile fabrics weave. (10 Marks)

OR

- 10 a. Explain the following :
i) Narrow fabrics ii) Terry ornamentation. (10 Marks)
- b. Describe the following :
i) Lappet fabrics ii) Swivel fabrics. (10 Marks)

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