

# GBCS SCHEME

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18TX81

## Eighth Semester B.Tech. Degree Examination, July/August 2022 Apparel Testing and Quality Control

Time: 3 hrs.

Max. Marks: 100

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

### Module-1

- 1 a. Explain the various factors influencing air permeability of fabrics. (10 Marks)
- b. Describe the method of measuring seam slippage seam strength and seam efficiency of woven's apparels. (10 Marks)

OR

- 2 a. What is thermo-physiological comfort? Explain the measurement of thermal transmission characteristics of fabrics with Tog meter. (10 Marks)
- b. Describe the method of measuring water vapour permeability of fabrics. (10 Marks)

### Module-2

- 3 a. State the importance of low stress mechanical properties of apparel fabrics. (10 Marks)
- b. Give the 18 low stress mechanical properties, their symbols and characteristics measured on the KES-F systems. (10 Marks)

OR

- 4 a. Give the application of fabric handle test results in garment manufacturing. (10 Marks)
- b. Discuss the role of fabric properties and chemical treatments on fabric pilling. (10 Marks)

### Module-3

- 5 a. What is In-process inspection? Give the various defects in sewing process. (10 Marks)
- b. Explain the method of final inspection of apparels and acceptance criteria. (10 Marks)

OR

- 6 a. Give the method of inspection for Raw materials. (10 Marks)
- b. Explain the method of in-process inspection in fabric spreading and cutting process. (10 Marks)

### Module-4

- 7 a. Describe the method of testing of bonded and laminated fabrics. (10 Marks)
- b. Give the various properties of sewing threads. (10 Marks)

OR

- 8 a. Describe the method of testing of elastic waist band and zippers. (10 Marks)
- b. Explain the effects of intensity, angle and illumination and apparent shade of fabric sample. (10 Marks)

### Module-5

- 9 a. Give the garment specification and seam specification with examples. (10 Marks)
- b. Explain the various approaches of quality control in the sampling/development department. (10 Marks)

OR

- 10 a. Explain the garment specification and performance specifications. (10 Marks)
- b. Explain the seven tools of quality control in apparel production. (10 Marks)

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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.