

**July-22-00389**

**B. Tech. EXAMINATION, 2022**

Semester VI (CBCS)

TEXTILE TESTING-II

TE-601

*Time : 3 Hours*

*Maximum Marks : 60*

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*The candidates shall limit their answers precisely within the answer-book (40 pages) issued to them and no supplementary/continuation sheet will be issued.*

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**Note :** Attempt *Five* questions in all, selecting *one* question from each Sections A, B, C and D. Q. No. 9 is compulsory.

**Section A**

1. Discuss the method used for measurement of fabric dimensions and GSM. **10**
2. Discuss in detail the innovations in yarn testing instruments. **10**

### Section B

3. Explain method of measurement for water permeability. 10
4. How will you convert load elongation curve into stress strain curve ? State with suitable example. 10

### Section C

5. What do you understand by pilling propensity ? Discuss a method to find out the pilling propensity of the fabrics. 10
6. State the advantages of different types of seams. Also discuss the factors considered for choosing a seam. 5+5

### Section D

7. (a) Explain ISO 9000 standards series. What are the benefits of international standards ? 6
- (b) Why do we need standard methods for measuring quality ? 4
8. Define coefficient of correlation. Also explain its type with diagram and significance. 10

### (Compulsory Question)

9. (a) Differentiate between tearing and bursting strength.
- (b) What is the purpose of stickiness measurement ?
- (c) List various factors affecting test results.
- (d) What are the causes of Barre effect ?
- (e) What do you understand by reproducibility ?
- (f) What is the difference between GSM and cover factor ?
- (g) Explain the term crimp interchange.
- (h) What is the effect of yarn twist on fabric abrasion resistance ?
- (i) Which instruments of Kawabata Evaluation system is used to measure surface friction of fabric ?
- (j) What do you understand by quality assurance ?

10×2=20