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Total No. of Pages : 02

Total No. of Questions : 09

B.Tech.(Textile Engg.) (2011 Onwards) (Sem.-5)

TEXTILE TESTING

Subject Code : BTTE-505

M.Code : 71616

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains THREE questions carrying TEN marks each and students have to attempt any TWO questions.

SECTION-A**1. Answer in brief :**

- a) Mention the difference between testing and inspection.
- b) What is standard testing atmosphere of textile testing?
- c) Define elastic recovery in tensile testing.
- d) Explain yarn hairiness index.
- e) What is index of irregularity?
- f) What are imperfections in yarn faults?
- g) What are the causes of short term count variation in yarn?
- h) Define compressibility of textile fabric.
- i) What do you mean by grab strength in tensile testing of fabric?
- j) Define bending length of fabric.

SECTION-B

2. Describe any two methods of fibre sampling techniques for determination of fibre properties.
3. What are the reasons of difference in moisture regain values of various textile fibres?
4. Explain the principle of working of vibroscope instrument of measurement of fibre fineness.
5. Define drape and handle of fabric. Describe a method of measurement of fabric drape.
6. Describe method of measurement of tearing strength of fabric.

SECTION-C

7. Define bending rigidity and crease recovery of fabric. Write the name of the instrument/apparatus for their measurement. Explain the measurement method of bending rigidity of fabric. 3+2+5
8. What do you mean by yarn count CV%? What are the methods of its measurement? Describe any one of them. 2+2+6
9. What are the CRE, CRL and CRT principles of tensile testing of textiles? Give examples of the instruments working-on each of these principles. Describe any one of these instruments for measurement of tensile strength. 2+3+5

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.