



(Following Paper ID and Roll No. to be filled in your Answer Book)

**PAPER ID : 161601**

Roll No.

--	--	--	--	--	--	--	--	--	--

## B. Tech.

(SEM. VI) THEORY EXAMINATION, 2014-15

### TEXTILE TESTING - II

Time : 2 Hours]

[Total Marks : 50

Note : Attempt All Questions. All Questions carry equal marks.

1. Attempt any two parts of the following : 10
  - (a) What do you understand by cover factor of fabric & how this is calculated.
  - (b) What is importance of Tensile Properties in case of Yarn & Fabric. Explain in Detail.
  - (c) What do you understand by stress-strain curve. How we can calculate (a)initial young modulus (b) Tenacity (c) Elongation at break from this curve. Illustrate by Example.
  
2. Attempt any two parts of the following: 10
  - (a) Explain Principal & functioning of lea strength tester.
  - (b) What do you understand by single Yarn strength. How this is measured in Laboratory.
  - (c) What do you understand by Abrasion resistance. Explain Flat, Flex & Edge abrasion.

3. Attempt any two parts of the following : 10
- (a) What do you understand by stiffness. Explain measurement of stiffness by Shirley stiffness tester.
  - (b) What is importance of drape & how drape of fabric is tested.
  - (c) Discuss testing of tearing strength by Elmendorf tear strength tester.
4. Attempt any one part of the following : 10
- (a) Discuss measurement of Breaking strength of woven fabric by Cut strip, Raveled strip & Grab methods. Explain relative advantage & disadvantage of various methods.
  - (b) Discuss Principal & salient feature of Instron tensile testing machine. What are advantage & disadvantage of this machine over conventional Machines.
5. Attempt any one part of the following: 10
- (a) What do you understand by LAB TEST & Wearer Trail. What are advantages & disadvantages of wearer trial & lab test.
  - (b) What do you understand by irregularity of lap, sliver & roving & how this is controlled in a textile mill.
-