

222554

## Time : 3 Hrs.

M.M. : 60

**Note: Multiple Choice Questions. All Questions are compulsory. (6x1=6)**

- Q.1 The waviness in warp and weft in the cloth is known as
- a) Crimp                                      b) EPI  
c) PPI    d) None
- Q.2 Anvil and pressure foot are the components of
- a) Tensile strength tester    b) Bursting strength tester  
c) Thickness tester                 d) None
- Q.3 For parachute cloth we do \_\_\_\_\_ type of strength testing.
- a) Tensile                                      b) Bursting  
c) Tearing                                      d) None
- Q.4 Bending length is a measure of \_\_\_\_\_ property of fabric.
- a) Crimp                                      b) Pilling  
c) Stiffness                                      d) None

- Q.5 The small balls appeared on the surface of fabric is known as
- a) Hairiness                      b) Waviness  
c) Pills                              d) None
- Q.6 Cut strip method is performed to test the
- a) Crease resistance      b) Tensile property  
c) Tearing property      d) Thickness

### Section-B

**Note: Objective/Completion type questions. All questions are compulsory. (6x1=6)**

- Q.7 Give full form of CSP.
- Q.8 What is pilling?
- Q.9 Define crimp.
- Q.10 \_\_\_\_\_ instrument is used to measure fabric stiffness.
- Q.11 Moisture regain of wool is \_\_\_\_\_.
- Q.12 Grab test method is used to measure \_\_\_\_\_ property of fabric.

### Section-C

**Note: Short answer type Question. Attempt any eight questions out of Ten Questions. (8x4=32)**

- Q.13 Define raveling strip method.
- Q.14 Write down the importance of yarn strength.
- Q.15 Write down the procedure for measuring bending length.

- Q.16 Describe working principle of fabric thickness tester.
- Q.17 Define crimp and write down the formula to calculate crimp %.
- Q.18 What do you mean by serviceability? Write the factors which affects serviceability.
- Q.19 Explain CRE and CRL principle in short.
- Q.20 What do you understand by Cloth cover factor.
- Q.21 Explain the working principle of crease recovery tester.
- Q.22 Define ICI pill box tester in brief.

### Section-D

**Note: Long answer questions. Attempt any two question out of three Questions. (2x8=16)**

- Q.23 Explain the working principle of single yarn strength tester with the help of illustrated diagram.
- Q.24 Explain the working principle of tearing strength tester in detail.
- Q.25 Calculate warp and weft cover factor of a fabric if EPI is 40, PPI is 35 and count of warp is 20<sup>s</sup> Ne and weft is 20<sup>s</sup> Ne.