

Q.32 List any two fibre characteristics and two yarn characteristics which effect fabric pilling resistance.

SECTION-D

Note: Long answer type questions. Attempt any three questions out of four questions. 3x10=30

Q.33 How bursting strength of fabric is measured? Explain with the help of a suitable diagram.

Q.34 Explain the method of measuring Tensile strength of fabric by drawing illustrated diagram.

Q.35 Explain the construction and working of Single yarn strength tester.

Q.36 Write five common fabric defects along with their causes and remedies.

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5th Sem. / Textile Design

Subject : Testing & Quality Control-II

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Objective type questions. All questions are compulsory (10x1=10)

Q.1 Define CSP.

Q.2 Define GSM.

Q.3 Define fabric stiffness.

Q.4 Define Handle.

Q.5 Define Yarn Crimp.

Q.6 Define crimp amplitude.

Q.7 Define Cover factor.

Q.8 Define serviceability of fabric?

Q.9 Why Round Cutter is used in lab?

Q.10 Define Bursting strength of fabric.

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SECTION-B

Note:Very short answer type questions. Attempt any ten questions out of twelve questions. 10x2=20

- Q.11 Name the equipment to measure tearing strength of fabric. Also show the units in which tearing strength is represented.
- Q.12 Describe CRL and CRE principles.
- Q.13 Name the equipments to measure Count Strength Product and also state the units in which result is represented.
- Q.14 Describe flexural rigidity of fabric?
- Q.15 Describe working principle of bursting strength tester.
- Q.16 Define EPI and PPI.
- Q.17 Define crimp%.
- Q.18 Define edge abrasion.
- Q.19 Define English Count. Tex and Denier.
- Q.20 Define tensile strength of fabric.
- Q.21 Describe working principle of Shirley stiffness tester.

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- Q.22 Describe working principle of crease recovery tester.

SECTION-C

Note:Short answer type questions. Attempt any eight questions out of ten questions. 8x5=40

- Q.23 Write two working principles on which yarn strength testers are based.
- Q.24 List any two equipments which are based on Constant rate of Extension (CRE) working principle.
- Q.25 Derive the formula for measuring Yarn Tenacity.
- Q.26 Describe two effect of crimp on fabric properties.
- Q.27 Differentiate between direct & flat methods of measurement.
- Q.28 How would you measure fabric weight?
- Q.29 Differentiate between Ravelled Strip Method and Cut Strip Method.
- Q.30 Explain Crimp Interchange.
- Q.31 Define Bursting Strength of fabric. Give two examples of fabrics in which bursting strength is measured.

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