

- Q.32 How twist affects single yarn strength
 Q.33 Show the formula to calculate fabric cover factor
 Q.34 Show the formula to calculate Tex and English count
 Q.35 Define edge abrasion

SECTION-D

- Note:** Long answer type questions. Attempt any two questions out of three questions. (2x10=20)
- Q.36 Explain the steps to calibrates tearing strength tester and the procedure to determine tearing strength of a fabric
 Q.37 Describe the principle and working of a hydraulic bursting strength tester with the help of an illustrated diagram
 Q.38 List any ten common fabric defects along with their causes and remedies

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Time : 3Hrs. M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 _____ a continuous often plied strand composed of either natural or man-made fibers or filaments.
 a) Yarn b) Fiber
 c) Fabric d) None
- Q.2 When warp and weft yarn interlace in fabric they follow a wavy path
 a) Pilling b) Hairiness
 c) Crimp d) Abrasion
- Q.3 _____ a small ball of fibers that forms on a piece of cloth
 a) Crimp b) GSM
 c) Hairiness d) Pilling
- Q.4 _____ is the ability of fabric to fall under its own weight into wavy folds
 a) Handle b) Drape
 c) Stiffness d) None
- Q.5 _____ is the product of English count and strength of yarn in pound.

- a) CRL b) CRE
 c) CRT d) CSP

Q.6 Diamond bar is a defect of _____
 a) Yarn b) Fabric
 c) Fiber d) None

Q.7 Horizontal stripes or streaks of uniform or uneven width caused mainly due to high yarn tension
 a) Double end b) Barre
 c) Missing end d) None

Q.8 _____ is a bunch of fibers having less twist or no twist and has a wider diameter compared to normal spun yarn.
 a) Thick place b) Thin place
 c) Slub d) None

Q.9 When two or more ends by fault get woven as one generating a thick bar running parallel to the warp.
 a) Double end b) Double pick
 c) Reed mark d) Missing end

Q.10 _____ is the tendency of the fabric to keep standing without any support
 a) Drape b) Stiffness
 c) Handle d) None

SECTION-B

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

Q.11 Define Yarn Crimp

Q.12 Write the working principle of fabric thickness tester

- Q.13 List the types of fabrics in which Bursting Strength is determined
 Q.14 Define Cover factor
 Q.15 What do you mean by Handle of a fabric
 Q.16 Describe flexural rigidity of fabric ?
 Q.17 Define tensile strength fo fabric
 Q.18 List any three types of fabric strength
 Q.19 Show the formula to calculate CSP
 Q.20 List any two tests, we perform on fabric in our testing lab

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Show the formula for measuring Yarn Tenacity
 Q.22 Define Crimp Interchange
 Q.23 What do you mean by recovery angle
 Q.24 Describe working principle of crease recovery tester
 Q.25 Shw Peirce's formula
 Q.26 Describe working principle of Shirley stiffness tester
 Q.27 Show the formula for calculating yarn crimp%
 Q.28 Describe the procedure to calibrate tearing strength tester
 Q.29 Differentiate between Revelled Strip Method and Cut Strip Method
 Q.30 Describe CRL and CRE principles
 Q.31 Describe the function of pawl in a single yarn strength tester