

SECTION-D

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

- Q.23 Explain the working of Electrical Wrap Stop motion with neat and clean sketch.
- Q.24 Name the Different types of fabric defects along with their causes and remedies.
- Q.25 What is terry pile fabric. Explain the weaving principle of terry pile loom with a suitable example.

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5th Sem / Textile Technology

Subject : Advanced Fabric Manufacturing

Time : 3 Hrs. M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory (6x1=6)

- Q.1 Which process is eliminated in shuttle less weaving?
a) Wrapping b) Sizing
c) Beaming d) Pirn winding
- Q.2 Which method has maximum fabric production rate.
a) Weaving b) Knitting
c) Non-woven d) All of these
- Q.3 Warp threads in water -jet loom should be _____
a) Hydrophobic b) Hydrophilic
c) Sized yarn d) Cotton yarn

- Q.4 _____ is not a basic weave.
- a) Twill
 - b) Huck a buck
 - c) Satin
 - d) Plain
- Q.5 Air jet loom is _____ than the shuttle loom.
- a) Equally noisy
 - b) Noisier
 - c) Less noisy
 - d) None of these
- Q.6 The factors which effect the production is/are
- a) PPI
 - b) PPM
 - c) Both a & b
 - d) None of the above

SECTION-B

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

- Q.7 In air-jet loom the weft is inserted by _____
- Q.8 Name the different types of automatic Looms.
- Q.9 What is shuttle Protector Motion?
- Q.10 _____ Selvedge cannot be produced in cotton fabrics.

- Q.11 What is weft accumulator.
- Q.12 List 2 fabric defects normally found on air jet looms.

SECTION-C

- Note:** Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)
- Q.13 Briefly explain the role of Warp Stop Motion in a loom.
- Q.14 What is the advantage of shuttle change Automatic Loom over the cop change Automatic Loom?
- Q.15 Write the silent features of Automatic Loom.
- Q.16 Write the disadvantage of mechanical weft feeler.
- Q.17 Calculate the production in meters of a Air Jet loom running at 900 PPM at 80% efficiency for 8 Hours, Producing a fabric with 50 PPI.
- Q.18 What do you mean by Terry Weaving?
- Q.19 Write the range of Weft Insertion rate in Projectile, Rapier, Airjet and water jet looms.
- Q.20 Write down main features of Air jet loom.
- Q.21 Draw and explain Tuck-in selvedge.
- Q.22 Explain the Gabler Rapier system of weft insertion.