

- Q.26 Explain disadvantages of water jet loom.
- Q.27 What are advantages of water jet loom?
- Q.28 What is the function of weft accumulator?
- Q.29 Write down the four stages of control of second pick in the Gabler system of weft insertion of the pick cycle in a rapier loom.
- Q.30 Define selvedge. Explain conventional selvedge.
- Q.31 Explain tucked and leno selvedges.
- Q.32 Explain the working of weft accumulator.

SECTION-D

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

- Q.33 Write down the advantages of modern picking mechanisms over shuttle loom.
- Q.34 Explain the process of weft insertion in a projectile loom with diagram.
- Q.35 Discuss the air-jet nozzle and its working.
- Q.36 Write short notes on
- Confusor and its function.
 - Features of projectile loom.

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5th Sem. / Trade: Textile Design

Subject : Fabric Manufacture-III

Time : 3 Hrs.

M.M. : 100

SECTION-A

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

- Q.1 Name the supply package used in unconventional weaving.
- Q.2 The supply packages are placed in _____ on picking side of loom.
- Q.3 The approximate weight of the supply package is _____
- Q.4 Out of air-jet loom and shuttle loom, which one can produce larger range of fabrics?
- Q.5 The velocity of rapier decreases to _____ in the middle of the shed in a rapier loom.
- Q.6 The warp beam is also known as _____ beam.
- Q.7 The last pick inserted is beaten -up to the fell of

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cloth by the _____

- Q.8 The cover of the fabric made on sir-jet loom is _____ than that made on shuttle loom.
- Q.9 There is _____ crank shaft in the rapier loom.
- Q.10 The labour cost on unconventional looms is _____ than that on shuttle loom.

SECTION-B

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

- Q.11 Uniform strain in the warp sheet on loom is maintained by the _____ motion in conjunction with _____ motion.
- Q.12 Which type of selvedge is formed in projectile loom?
- Q.13 Which type of selvedge is formed in Gabler system of weft insertion in rapier loom when picking is done from one side?
- Q.14 Cotton or spun yarn is used as weft in air-jet loom. Give reasons.
- Q.15 Write the principle of rapier shuttle less weaving.

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- Q.16 Name the type of selvages formed in Dewas system of weft insertion in rapier loom.
- Q.17 What is the function of lease rods?
- Q.18 In _____ loom the picking motion is positive and in _____ loom it is negative.
- Q.19 What is pre-measuring device on an air-jet loom?
- Q.20 Why the miniature shuttle is used in projectile loom for weft insertion?
- Q.21 Why the warp threads are not sized in a water jet loom?
- Q.22 What is hydrophobic yarn?

SECTION-C

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

- Q.23 Write down the four stages of control of first pick in the Gabler system of weft insertion of the two pick cycle in a rapier loom.
- Q.24 What is the function of the relay nozzles used in air jet loom?
- Q.25 Explain different types of rapiers.

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