

- Q.26 Discuss the features of projectile weaving.
- Q.27 What are the advantages of airjet loom water jet loom?
- Q.28 Explain disadvantages of shuttle looms
- Q.29 What is the importance of weft accumulator?
- Q.30 Give the classification of weaving machines.
- Q.31 What are the problems faced during weft insertion in airjet?
- Q.32 Write a note on hydraulic looms.
- Q.33 Mention the salient features of power looms
- Q.34 What are the drawbacks of conventional shuttle loom?
- Q.35 What are the advantages of Rapier loom.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

- Q.36 Define Selvedge ? Explain the types of selvages use in modern weaving machines in detail.
- Q.37 Discuss in detail weft insertion sequence of hydraulic/water jet weaving machine with well-illustrated diagram.
- Q.38 Discuss the advantages and disadvantages of rapier shuttle less loom?

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Time : 3Hrs.

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SECTION-A

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

- Q.1 Balloon breaker is used in which of the following loom
- a) Air jet loom b) Water jet loom
c) Projectile Loom d) All of the above
- Q.2 Projectile loom is a type of
- a) Shuttle loom b) Handloom
c) Shuttles less loom d) None
- Q.3 Function of weft detector in a water jet loom is
- a) To stop the weft yarn
b) To cut the weft yarn
c) To sense the presence of weft yarn
d) None of the above
- Q.4 The function of selvedge in a fabric is
- a) To add decorative elements
b) To provide stability at the edges
c) To create patterns
d) To make the fabric soft

- Q.5 What is the main purpose of yarn tensioner in air jet loom?
- To add color to the fabric edges
 - To provide uniform tension
 - To prevent the fabric edges from fraying
 - To make the fabric thicker
- Q.6 High pressure jet of air is used to insert the weft yarn in
- Water jet loom
 - Rapier loom
 - Air jet loom
 - None
- Q.7 Dewas and gabler are the system of weft insertion used in
- Rapier looms
 - Water jet looms
 - Air jet looms
 - None
- Q.8 Shuttle is device used for inserting the _____ yarn during picking.
- Warp yarn
 - Weft yarn
 - Shuttle
 - None
- Q.9 The rapier which do not bends during the weft insertion cycle is known as
- Flexible rapier
 - Rigid rapier
 - Single rapier
 - Double rapier
- Q.10 The process of dividing the warp yarns into two layers is called as
- Shedding
 - Picking
 - Beat-up
 - Take-up

SECTION-B

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

- Q.11 Rapier is a _____ used to insert weft through the shed.
- Q.12 Tell anyone use of tuck selvedge.
- Q.13 List anyone merits of airjet loom.
- Q.14 Define shuttle.
- Q.15 List one function of relay nozzle in airjet loom.
- Q.16 High pressure water stream is used in water jet loom. (True/False)
- Q.17 Tell one function of heald shaft in a loom.
- Q.18 Projectile runs through the _____ during weft insertion.
- Q.19 List any two advantages of tucked Selvedge.
- Q.20 Tell any two advantage of air jet loom

SECTION-C

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

- Q.21 What is the importance of profile reed in air jet loom?
- Q.22 Explain the factors affecting Water-jet weft insertion
- Q.23 Explain the need of Shuttleless picking
- Q.24 What is conventional selvedge?
- Q.25 How tucked selvedge are formed?