

Q.21 What is miniature shuttle? Discuss with detail.

Q.22 Give the classification of weaving machines.

SECTION-D

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

Q.23 Write briefly about:

- a) Confusor
- b) Jet nozzle

Q.24 How many different Rapier insertion system are there? Explain in detail.

Q.25 Discuss the principle of weft insertion and picking mechanism in Air-Jet weaving machine.

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5th Sem / Textile Design

Subject : Fabric Manufacture- III

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

Q.1 Leno selvages are produced on

- a) Rapier looms b) Air jet looms
- c) Water jet looms d) Both a & b

Q.2 Which of following damage the nozzle used in water-jet machine

- a) Dirt b) Minerals deposits
- c) Both (a) & (b) d) Water

Q.3 Denting is a process using

- a) Warp b) Weft
- c) Both a & b d) None

- Q.4 The function of Projectile is to insert the
- a) Air b) Warp yarn
 - c) Pick of weft d) None of these

Q.5 Water jet is a type of loom _____

- a) Hand b) Shuttle
- c) Shuttle-less d) None of these

Q.6 Which of the following is most commonly used in production of Denim

- a) Rapier looms b) Air jet looms
- c) Water jet looms d) Projectile looms

SECTION-B

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

- Q.7 What is estimated operating speed of Air-Jet looms?
- Q.8 Count of reed denoted by _____
- Q.9 Write name of loom in which Projectile is used to insert the weft.

Q.10 What is Automatic Loom?

Q.11 What system of weft insertion is used in water-jet Looms?

Q.12 Name type of selvages formed in Rapier Looms.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. (8x4=32)

- Q.13 What is the role of measuring drum in the Air-jet looms?
- Q.14 How does the Principle of Rapier weaving differ from conventional weaving.
- Q.15 What is the significance of proper selvage formation in shuttle-less weaving.
- Q.16 Compare between the rigid rapier and flexible rapier system in shuttle-less looms?
- Q.17 What role does the sley play in the Air-jet Loom during the insertion of weft?
- Q.18 List the precautions to be taken in water-jet weft insertion.
- Q.19 Describe the limitations of Projectile Looms.
- Q.20 List the disadvantages of shuttle looms.