

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

No. of Printed Pages : 4

222552

Roll No.

Q.22 Give the classification of weaving machines.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. $(2 \times 8 = 16)$

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.

Time : 3 Hrs.

M.M. : 60

5th Sem / Textile Design

Subject : Fabric Manufacture- III

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Q.25	Discuss the principle of weft insertion and picking mechanism in Air-Jet weaving machine.		
SECTION-A			
Note: Multiple choice questions. All questions are compulsory			$(6 \times 1 = 6)$
Q.1	Leno selvedges are produced on		
	<ul style="list-style-type: none">a) Rapier loomsb) Air jet loomsc) Water jet loomsd) Both a & b		
Q.2	Which of following damage the nozzle used in water-jet machine		
	<ul style="list-style-type: none">a) Dirtb) Minerals depositsc) Both (a) & (b)d) Water		
Q.3	Denting is a process using		
	<ul style="list-style-type: none">a) Warpb) Weftc) Both a & bd) 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 Waterjet 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. $(6 \times 1 = 6)$

- 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 selvedges formed in Rapier Looms.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions. $(8 \times 4 = 32)$

- 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 selvedge 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.