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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 Length of fabric present in the cloth beam is known as
a) Tape Length b) Yarn length
c) Cloth length d) None of these
- Q.2 Which of following is not a type of loom
a) Dobby loom b) Jacquard loom
c) Projectile loom d) Braiding loom
- Q.3 Fused selvages are produced on
a) Rapier looms b) Air jet looms
c) Water jet looms d) All of these
- Q.4 Which is not a part of water jet weaving machine
a) Transducer b) Accumulator
c) Jet cutting nozzle d) Hydraulic pump
- Q.5 Which of the following is not a type of shuttle.
a) Rapier shuttle b) Air jet shuttle
c) Water jet shuttle d) Projectile shuttle

- Q.6 What is the primary purpose of shuttle in weaving
- a) To hold the weft yarn
 - b) To control the tension of warp yarn
 - c) To create a shed
 - d) To beat the weft yarn into place

Section-B

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

- Q.7 What is Count of reed?
- Q.8 What is estimated operating speed of rapier looms?
- Q.9 Two rapier enters the shed at _____ time.
- Q.10 Which motion of Loom make it an automatic Loom?
- Q.11 The function of projectile is to insert_____.
- Q.12 Back beam is also known as _____.

Section-C

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

- Q.13 How does the Principle of Projectile weaving differ from conventional weaving.
- Q.14 What type of selvages are formed in a Rapier Loom?
- Q.15 What are the functions of accumulator in an Air-Jet Loom?

- Q.16 Explain how the rigid rapier and flexible rapier system differ in shuttle-less looms.
- Q.17 Discuss the various type of weft insertion systems used in shuttle-less looms.
- Q.18 Why is cheese not suitable as a supply package in Air-Jet looms?
- Q.19 Discuss the role of warp tension in ensuring fabric quality in rapier looms.
- Q.20 How does the beat-up mechanism work in Water-jet looms?
- Q.21 Describe the advantages of modern picking system.
- Q.22 Write about profile reed and its functions.

Section-D

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

- Q.23 Write briefly about:
- a) Truck Selvage
 - b) Leno Selvage
- Q.24 Explain the Dewas and Gabler system of weft insertion by Rapier Looms.
- Q.25 Discuss the principle of weft insertion and picking mechanism in Water jet weaving machine.