

- Q.30 Describe the role of a selvedge in fabric.
- Q.31 Write a short note on leno selvedge.
- Q.32 Write the features of a terry loom.
- Q.33 Write down the process control parameters in warping.
- Q.34 Name various factors affecting the production of a loom.
- Q.35 Calculate the actual production of air-jet loom in meters per shift (8 hours) if it is running at a speed of 600 rpm with an efficiency of 90% and producing a fabric having picks per inch 60.

Section-D

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

- Q.36 Describe the construction detail and working of automatic pirn change mechanism with diagram.
- Q.37 Write down main features, requirement of yarn and application of water jet loom.
- Q.38 Mention different types of fabric defects along with their causes and remedies.

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**5th Sem., Branch : Text. Tech.
Subject : Weaving Technology - III**

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Multiple type Questions. All Questions are compulsory. (10x1=10)

- Q.1 The process of passing the weft yarn through the shed is called:
- a) Shedding
 - b) Picking
 - c) Beating
 - d) Drawing-in
- Q.2 Warp and Weft are also known as _____ and _____ respectively.
- a) Picks and Ends
 - b) Ends and Picks
 - c) Both of these
 - d) None of these
- Q.3 Warp stop motion is a type of:
- a) Auxiliary Motions
 - b) Primary Auxiliary Motions
 - c) Secondary Motions
 - d) None of these
- Q.4 The part, which is used to detect the presence of weft, is known as :
- a) Temple
 - b) Feeler
 - c) Drop pin
 - d) Shuttle

- Q.5 In which loom, picking is carried out by shuttle?
 a) Rapier Loom b) Air Jet Loom
 c) Water Jet Loom d) Automatic Loom
- Q.6 The speed of shuttle-less looms is generally _____ than shuttle loom.
 a) Lower b) Equal
 c) Higher d) None of these
- Q.7 Dewas and Gabler systems are used in:
 a) Projectile weaving b) Rapier weaving
 c) Air jet weaving d) Water jet weaving
- Q.8 Closed selvedge is formed in:
 a) Projectile Loom b) Air Jet Loom
 c) Shuttle Loom d) None of these
- Q.9 In which loom, two warp beams are used?
 a) Air Jet Loom b) Water Jet Loom
 c) Terry Loom d) Rapier Loom
- Q.10 "Float" is a type of:
 a) Warp Beam b) Fabric Defect
 c) Feeler d) Temple

Section-B

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

- Q.11 Name two types of warp stop motion.
- Q.12 Name two types of weft feeler.
- Q.13 Give one advantage of automatic loom.

- Q.14 What is the approximate speed (Picks per Minute) of automatic loom?
- Q.15 Give one advantage of shuttle-less loom.
- Q.16 What is the approximate speed (Picks per Minute) of air jet loom?
- Q.17 Name two types of selvedges used in shuttle less weaving.
- Q.18 In which type of fabric fused selvedge is done?
- Q.19 Give applications of terry fabrics.
- Q.20 Name two fabric defects occurring due to weft.

Section-C

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

- Q.21 Name Important parts of electrical warp stop motion.
- Q.22 What is the function of temple in a loom? Name various types of temples.
- Q.23 Write a short note on optical weft feeler.
- Q.24 What are the disadvantages of shuttle loom?
- Q.25 Give classification of various types of shuttle-less looms with their speeds.
- Q.26 Write principle of weft insertion in rapier weaving.
- Q.27 Differentiate dewas and gabler rapier weft insertion system.
- Q.28 Write a short note on projectile weaving.
- Q.29 Write down the important parts of air jet loom.