Q.26 Compare the weft insertion rate of different shuttle less looms.

Q.27 Write a short note on flexible and rigid rapier.

Q.28 Write down the applications of rapier loom.

Q.29 Write down the important parts of air jet loom.

Q.30 Write a short note on leno selvedge.

Q.31 Write different fabric defects occuring due to warp.

Q.32 Write a short note on importance of maintenance in improving the efficiency of a loom.

Q.33 Describe how productivity of a weaving mill can be increased?

Q.34 Write down the process control parameters in sizing.

Q.35 If 50 looms run for 5 days at 90% efficiency, calculate production of weaving shed in meters, where PPI and PPM is 60 and 380 respectively.

SECTION-D

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

Q.36 Classify various types of weft feelers with their advantages and disadvantages.

Q.37 Write down advantages. disadvantages and application of water jet weaving.

Q.38 Describe various types of fabric defects along with their causes and remedies.

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5th Sem / Text. Tech.
Subject:- Weaving Technology - III

Time : 3Hrs. M.M. : 100

SECTION-A

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

Q.1 In Warp Stop Motion which part senses the breaking of a warp end?

a) Oscillating Bar b) Solenoid Valve
c) Drop Pin d) Starting Handle

Q.2 Which is not a type of temple?

a) Ring b) Roller
c) Full Width d) Nozzle

Q.3 The part which detects the presence or absence of weft is known as:

a) Drop pin b) Reed
c) Feeler d) Temple

Q.4 In which loom, shuttle is used for picking?

a) Water Jet Loom b) Air Jet Loom
c) Automatic Loom d) Rapier Loom

Q.5 Dewas and Gabler system is used in:

a) Gripper Loom b) Water Jet Loom

c) Air Jet Loom d) Rapier Loom

Q.6 The highest weft insertion rate is achieved in:

a) Gripper Loom b) Water Jet Loom

c) Air Jet Loom d) Rapier Loom

Q.7 Two warp beams are used in:

a) water Jet Loom b) Terry Loom

c) Air Jet Loom d) Rapier Loom

Q.8 In Gripper and Air Jet Loom which type of fabric is produced?

a) Leno Selvedge

b) Chain Stitch Selvedge

c) Tucked in selvedge

d) Fused Selvedge

Q.9 Fabric defect "Float" occurs due to failure of:

a) Weft stop motion b) Feeler

c) Warp stop motion d) Temple

Q.10 Fabric defect "Half Pick" occurs due to failure of:

a) Temple b) Feeler

c) Warp stop motion d) Weft stop motion

SECTION-B

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

Q.11 Name two types of warp stop motion,

Q.12 What is the function of a temple.

Q.13 Name two types of shuttle less loom.

Q.14 Give one advantage of automatic loom.

Q.15 What is the speed (Picks per minute) of air jet loom?

Q.16 Write application of water jet weaving.

Q.17 Which selvedge is formed in water jet loom?

Q.18 Name two fabric defects due to weft.

Q.19 Name two fabric defects due to weave negligence.

Q.20 Write down the formula for calculating the production of a loom.

SECTION-C

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

Q.21 What is the principle of warp stop motion?

Q.22 Name important parts of electrical warp stop motion.

Q.23 Write a short note on full width temple.

Q.24 What are the disadvantages of shuttle loom?

Q.25 What are the advantages of shuttle less loom?