

Q.29 Write and draw the Dewas Rapier weft insertion system.

Q.30 Briefly explain the objective of Weft accumulator.

Q.31 Calculate the production in meters of a Air Jet loom running at 650 PPM at 88% efficiency for 8 Hours, Producing a fabric with 42 PPI.

Q.32 Name the Different types of Fabric Defects.

SECTION-D

2x10
Note: Long answer type questions. Attempt any three questions out of four questions. $3 \times 10 = 30$

Q.33 Explain the factors effecting the production and efficiency of Weaving Department.

Q.34 Explain the working of Automatic Cop Change Mechanism along with neat and clean sketch.

Q.35 Explain the working of Electrical Warp Stop Motion with neat and clean sketch.

Q.36 Explain the Process Control Parameters in Weaving.

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5th Sem. / Textile Technology

Subject : Weaving Technology-III

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Objective type questions. All questions are compulsory *8x2* (10x1=10)

Q.1 Define Geo-Textiles.

Q.2 Define Weft Feller.

Q.3 Define Selvedge.

Q.4 Name the defect of shedding

Q.5 Expand EPI

Q.6 What is Loom?

Q.7 What is RH% of Loom Shed?

Q.8 Name the Different types of Automatic Looms

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Q.9 Describe Loom Efficiency.

Q.10 Expand GSM.

SECTION-B

5x3

Note:Very short answer type questions. Attempt any ten questions out of twelve questions. 10x2=20

Q.11 What are silent features of Automatic Loom?

Q.12 What is Warp Stop Motion.

Q.13 Why yarn preparation is required for weaving?

Q.14 Write the process sequence of woven fabric production.

Q.15 What is the role of temples in Loom?

Q.16 Write five application areas of Technical Textile.

Q.17 What is the role of Welt Cutter in Shuttle Less Looms?

Q.18 Describe the Role of Weft Accumulator.

Q.19 What is Fabric Defect?

Q.20 What do you mean by Terry Weaving?

Q.21 Write the range of Weft Insertion rate in air jet Loom.

Q.22 What are the functions of Selvedge in the Fabric?

SECTION-C

5x8

Note:Short answer type questions. Attempt any five questions out of ten questions. 5x8=40

Q.23 Mention some characteristics of air jet loom.

Q.24 Write the features of Terry Loom.

Q.25 Write the Advantages of Non Woven Fabrics over Woven Fabrics.

Q.26 Differentiate between Automatic and Non Automatic Loom.

Q.27 Classify the Technical Textiles Fabrics.

Q.28 Draw the Sequence for preparation of non Woven Fabrics.