

- Q.4 Explain in Detail the factors effecting production and efficiency of loom shed.
- Q.5 Explain Briefly the manufacturing process of Non-woven fabrics, needle punched and bonded.
- Q.6 Explain in Detail different type of fabric defects along with their causes and remedies.
- Q.7 Explain in detail the working principal of Mechanical Warp Stop motion with neat sketch.

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

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note:Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1 a) What is automatic loom?
b) What are the characteristics of non-woven fabrics.
c) What is RH% of loom shed?
d) What is warp slop motion?
e) What is weft accumulator?
f) What is shuttle protector motion?
g) Write four application areas of Technical Textiles.
h) What is the function of selvages?
i) What is weft insertion rate in Air jet loom.
j) What is shuttle less loom?

- k) What is terry weaving?
- l) What is loom efficiency?
- m) What are technical textiles?
- n) What is fabric defect?
- o) What is the role of weft cutter in shuttle less looms.
- p) What is weft feeler?
- q) Name different types of weft feelers.
- r) Write the specifications of projectile.

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- i) What are the disadvantages of non-automatic loom?
 - ii) What are the changes that are require to convert non-automatic loom into automatic loom.
 - iii) Explain two advantages and disadvantages of different type of weft feelers.
 - iv) What are advantages and disadvantages of shuttle change automatic loom.

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- v) Compare the shuttle loom with shuttle less loom.
- vi) Briefly explain the principle of airjet loom.
- vii) Write the disadvantages of water jet loom.
- viii) Compare different weft insertion mechanisms w.r.t. weft insertion rate.
- ix) Draw the tuck in selvedge.
- x) Write the features of Terry loom
- xi) Write the advantages of non-woven fabrics.
- xii) Briefly explain the role of weft accumulator in non Conventional weaving looms.
- xiii) Briefly explain the Technical Textiles.
- xiv) List out the factors effecting production and efficiency in loom shed.
- xv) List out the fabric defects due to raw material.

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Explain in Detail Cop change mechanism in automatic loom with neat sketch.

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