

6th Sem. / Textile Technology

Sub.: Advanced Knitting Technology

Time : 3 Hrs.

M.M. : 60

SECTION-A

Note: Multiple type Questions. All Questions are compulsory. (6x1=6)

Q.6 Name warp knitting machine?

- a) Jacquard
- b) Loom
- c) Dobby
- d) Raschel

SECTION-B

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

Q.7 Three types of fabric formation are woven _____ and non-woven.

Q.8 Knitting is intermeshing of _____.

Q.9 Wales is _____ row of loops.

Q.10 _____ is called as number of needles per inch.

Q.11 Horizontal row of loops is called _____.

Q.12 Tightness factor is _____.

SECTION-C

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

Q.13 Define the terms stitch length and stitch density.

Q.14 Explain swinging and shogging motion with diagrams.

Q.15 Write a short note on sinker bar, guide bar and needle bar.

Q.16 Draw the lapping diagram of Net, inlaid and sharkskin structures.

- Q.17 Write a short note on jacquard and in tarsia design.
- Q.18 Explain distinct narrowing and inlay technique with diagram.
- Q.19 Write down the innovative application of knitting fabrics and sportswear and fashion.
- Q.20 How smart textiles and wearable technology are integrated in knitted fabrics.
- Q.21 Explain pattern chain or link arrangement in warp knitting structures.
- Q.22 Differentiate between warp knitting and weft knitting.

SECTION-D

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

Q.23 Draw and explain any five warp knitting structures.

Q.24 Describe Tricot knitting machine with neat and clean diagram.

Q.25 Draw and explain weft knitting structures with the properties.