

**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.1 Which knitted fabric is single jersey fabric?
a) Plain b) Rib
c) Purl d) Interlock
- Q.2 Which is a weft knitted fabric?
a) Atlas b) Queen's Cord
c) Purl d) None of these
- Q.3 Out of these which is a term related to warp knitting?
a) Tricot b) Purl
c) Rib d) Interlock
- Q.4 Tex is weight in _____ over length in 1000 mts?
a) Ozs b) Pound
c) Gram d) Kilogram
- Q.5 Width wise row of loops in knitted fabric are called as?
a) Course b) Wale
c) Fabric d) Loop

- 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.