

222763B

**6th Sem. / Textile Technology**  
**Sub.: Advanced Knitting Technology**

**M.M. : 60**

**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.