

SECTION-D

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

- Q.23 Explain the Rachel warp knitting machine cycle with the help of a well illustrated diagram in detail.
- Q.24 Explain all the derivatives of weft knit structures in detail with the help of neat and clean diagram.
- Q.25 Explain knitting cycle of compound needle and spring beard needle with diagram.

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Roll No.

**6th Sem. / Textile Design
Sub.: Knitted Design**

Time : 3 Hrs.

M.M. : 60

SECTION-A

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

- Q.1 Which of the following is NOT a type of knitting needle?
- a) Latch needle b) Bearded needle
- c) Double headed needle d) Compound needle
- Q.2 Which of the following is a key difference between knitted and woven fabrics?
- a) Woven fabrics are made of interlocking loops, while knitted fabrics are made of interlaced yarns.
- b) Knitted fabrics stretch more than woven fabrics
- c) Woven fabrics have higher elasticity than knitted fabrics
- d) Knitted fabrics are stiffer than woven fabrics
- Q.3 Which of the following stitches are produced in weft knitting.
- a) Knit stitch b) Tuck stitch
- c) Float stitch d) All of the above

- Q.4 Which of the following is NOT a classification of warp knitting?
- a) Tricot knitting b) Raschel knitting
c) Flatbed knitting d) None
- Q.5 When the loops are produced in wale wise direction it is known as
- a) Warp knitting b) Weft knitting
c) Weaving d) Spinning
- Q.6 In warp knitting, the yarn is supplied in the form of
- a) Cone b) Cheese
c) Warp Beam d) None

SECTION-B

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

- Q.7 In warp knitting, loops are formed _____ to the direction of fabric production.
- Q.8 Rib knitt fabric is not a reversible type of fabric. (True / False)
- Q.9 In a _____ knit structure, both face and reverse loops appear alternately on both sides of the fabric, making it highly elastic in both direction.
- Q.10 Tell any two uses of Weft knit fabrics.

- Q.11 Woven fabrics are more stretchable than knitted fabrics. (True / False)
- Q.12 Write any two uses of weft knit fabrics.

SECTION-C

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

- Q.13 Explain the formation of knit, tuck and float stitches in weft knitting with suitable diagrams.
- Q.14 Compare the characteristics and end uses of plain, rib, interlock and purl knit fabrics.
- Q.15 Differentiate between warp knitting and weft knitting in terms of structure, stretchability, and applications.
- Q.16 Explain the knitting cycle of a latch needle with a suitable diagram.
- Q.17 Describe the significance of cam in wet knitting.
- Q.18 Differentiate between underlap and overlap in warp knitting with suitable diagrams.
- Q.19 Write any four characteristics of rib knit fabric.
- Q.20 Discuss the common defects in weft knitting, their causes and possible solutions.
- Q.21 Describe the method of preparing knit, tuck and float stitches in fabric production.
- Q.22 Explain the concept of cover factor / tightness factor and its impact on fabric properties.