

## **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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222563A

**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 knit 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.