



B.TECH DEGREE EXAMINATIONS: MAY 2015

(Regulation 2009)

Sixth Semester

TEXTILE TECHNOLOGY

TTX114 : Knitting Technology

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. Courses are rows of loops across the ----- of the fabric
 - a) length
 - b) width
 - c) length and width
 - d) Diagonal axis
2. Rib fabrics are generally produced on _____
 - a) V-bed
 - b) Flat-bed
 - c) Patten wheel
 - d) None of the above
3. Interlock is a popular _____ structure.
 - a) Single jersey
 - b) Double jersey
 - c) Eight lock
 - d) Rib
4. Which is the needle suitable for high speed warp knitting machine?
 - a) Latch Needle
 - b) Compound Needle
 - c) Bearded Needle
 - d) None of the above
5. Introduction of miss stitches results _____
 - a) Narrower in width
 - b) Narrower in length
 - c) Increase width
 - d) Increase length
6. Knitting of two courses on odd needles called as _____
 - a) Cross tuck
 - b) La-coste
 - c) Knitted twill
 - d) Plaiting
7. Foot wear fabrics produced by
 - a) Raschel
 - b) Tricot
 - c) Jersey
 - d) None of the above

23. a) (i) Illustrate various knit structures with technical terms and symbolic representations. (8)

(ii) Explain about the fundamentals of formation of knit, tuck and float stitches. (6)

(OR)

b) Discuss in details about the various faults in knitted fabrics with diagrams, causes and remedies.

24. a) (i) Elaborate on the knitting cycle for Tricot warp knitting machine. (8)

(ii) Illustrate about the basic warp knitted structures. (6)

(OR)

b) (i) Differentiate Rachel and Tricot knitting machines (8)

(ii) Compare the direct and indirect warping process for warp knitting. (6)

25. a) Explain about the working of seamless knitting machines with advantages.

(OR)

b) (i) Discuss the applications of weft and warp knitted fabrics in Technical textiles (8)

(ii) Compare the weft and warp knitting industries in India. (6)
