KUMARAGURU
college of technology
character is life

Register Number:……...

B.TECH DEGREE EXAMINATIONS: MAY 2015

(Regulation 2013)

Third Semester

FASHION TECHNOLOGY

U13FTT302: Knitting Technology

Time: Three Hours **Maximum Marks: 100**

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. Compared to woven fabrics knitted fabrics have more--------
   a) Elongation b) Strength
   c) Elongation and recovery d) Abrasion resistance
2. Rib is a----------jersey fabric
3. The cam controlling the loop length is
   a) Raising cam b) Stitch cam
   c) Up throw cam d) Guard cam
4. Latch needle is ----------acting needle
5. The horizontal row of needle loops are called as
   a) wale b) course
   c) stitch d) Course length
6. A float stitch is formed when the needle is not raised by-------- to receive yarn
7. The following is not a part of warp knitting
   a) Needle bar b) Guide bar
   c) cylinder d) Sinker bar
8. Locknit is a most popular -------knitted structure
9. Plating is done by feeding the same needle with
   a) Two yarns of same quality b) Two yarns of different physical properties
   c) Two yarns of different count d) Feeding colored yarn
10. In weft knitting the uniform tension in the feed yarn is maintained by ……..

PART B (10 x 2 = 20 Marks)

(Not more than 40 words)

11. List out the knitting elements in a weft knitting machine
12. How do you change the stitch length in a weft knitting machine
13. What is the function of sinker in a weft knitting machine
14. What is the difference between single jersey and double jersey fabric
15. How stripe effect can be formed in weft knitting
16. List out the derivatives of double jersey fabrics.
17. Define blind lap
18. How pillar stitch is formed
19. List out the knitted structures used in medical applications
20. Interpret the importance of GSM

PART C (5 x 14 = 70 Marks)

(Not more than 400 words)

Q.No. 21 is Compulsory

21. Explain the knitting action of latch needle with a diagram.

22. a) Compare the knit ,float and tuck stitches in knit designing with illustration.

(OR)

b) Discuss the construction of accordion and Milano rib in detail.

23. a) Discuss the principles of seamless garment manufacture in weft knitting.

(OR)

b) Describe the single pique and Ponte-di-Roma knitted structures with illustration.

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24. a) Explain the knitting cycle of tricot warp knitting machine with a diagram

(OR)

b) Describe any two basic warp knitted structures in detail.

25. a) Enumerate and explain the application of weft knitted structures for technical textiles.

(OR)

b) Discuss the application of warp knitted structures for various end uses in technical textiles

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