B.TECH. DEGREE EXAMINATIONS: NOVEMBER 2009

Fifth Semester

TEXTILE TECHNOLOGY (FASHION TECHNOLOGY)

U07FT506: Knitwear Technology

Time: Three Hours   Maximum Marks: 100

Answer ALL the Questions:-

PART A (10 x 1 = 10 Marks)

1. Cut stitch shaped garment machineries are,
   A. Regular sewing machines   B. Sewing machines with special attachments
   C. Conventional pedal machine D. Specialty machines

2. Socks belong to the group of
   A. Fully cut garments   B. Stitch shaped garments
   C. Fully fashioned garments   D. Integral garments

3. SPI refers to
   A. Stitch intensity   B. Stitches / innerside
   C. Seams / garment   D. Stitches / inch

4. In 3 thread overlock machines, the 3 threads are designated as
   A. 1 Needle thread, 2 looper threads   B. 2 Needle threads, 1 looper thread
   C. 1 Sinker thread, 2 looper threads   D. 1 Needle thread 2 sinker threads

5. The most important quality of fabric for foundation garments is
   A. Strength   B. Elongation and elasticity
   C. Thickness   D. Colour fastness

6. Pick out the odd one from the following:
   A. Brazier   B. Slip   C. Shirt   D. Vest

7. The most important quality requirement of sewing thread for outerwear garment is
   A. Strength   B. Colour fastness
   C. Ticket number   D. Abrasion resistance

8. Special attachments are
   A. Additional machines
   B. Additional special fabrics attached to garment
   C. The machine parts supplied with machine exclusively for some purposes
   D. Stitches that are used for special effects

9. Shape generation in fully fashioned garment is achieved by
   A. Altering the loop density at the edges   B. Keeping the stitch density
      constant
   C. Altering the loop density at the body   D. Altering the structure of fabric

10. In wale shaping
    A. The courses are transformed   B. Number of wales unaffected
    C. The wales are transformed   D. Number of courses unaffected

PART B (10 x 2 = 20 Marks)

11. State the types of machines used for making fully cut garments.

12. List out the disadvantages of automatic V bed knitting machine.

13. Give any four properties of seams.

14. State any two applications of stitches in knitted garments.

15. What do you understand by foundation garments?

16. Give the examples for foundation garments.

17. What are the quality requirements of sewing thread for outerwear?

18. Name any two special attachments used for making knitted T shirt.

19. Write the principle of shape generation in fully fashioned garments.

20. What do you understand by the term 'running-on'?

PART C (5 x 14 = 70 Marks)

21. (a) Discuss the classification of knitwear manufacturing machines.

(OR)

(b) Write a note on

    i) Socks knitting and   ii) Automatic V-bed flat knitting machine.

22. (a) Give a detailed account on the classification of stitches.

(OR)

(b) Describe the classification of different types of over lock machinery.

23. (a) Explain in detail the sewing thread quality requirements for foundation garments.

(OR)

(b) Discuss in detail the special attachments used for foundation garments.

24. (a) Summarise the machinery used in the production of knitted outerwear.

(OR)

(b) Write a note on

    i) T-shirt and   ii) Combo wear.

25. (a) Describe the basic techniques in integral garments manufacture.

(OR)

(b) Explain the production method of any two upper and lower body garments.

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