

M.TECH. DEGREE EXAMINATIONS: MAY / JUNE 2010

Second Semester

APPAREL TECHNOLOGY AND MANAGEMENT

FTY506: Advanced Knitwear Technology

Time: Three Hours

Maximum Marks: 100

Answer All the Questions:-

PART A (10 x 2 = 20 Marks)

1. Mention the types of weft knitting machines.
2. Name any two machinery manufacturers for seamless garments. Give important specifications.
3. Give the various classes of stitches.
4. Define "Run in ratio".
5. List few fabric requirements for outerwear garments.
6. What are arm warmers?
7. What do you mean by fashioning angle and frequency? Give formula.
8. What are cardigan structures? Give its applications and types.
9. What is spirality?
10. What are the causes of seam puckering?

PART B (5 x 16 = 80 Marks)

11. (a) Classify knitwear machines based on production methods giving their production sequence, advantages and applications.

(OR)

- (b) Discuss in detail the concept, method of production, advantages and application of seamless garment technology.

12. (a) Classify stitches and seams in detail with relevant sketches. Give their application in inner and outer garments.

(OR)

- (b) Explain the operation sequence and production techniques for the following intimate apparels.

- (i) Men's brief (8)
- (ii) Lingerie (8)

13. (a) Discuss elaborately a fabric requirement for various outerwear garments.

(OR)

(b) Give the operation sequence and production techniques for the following outwear garments.

(i) T- Shirts (8)

(ii) Sportswear (8)

14. (a) Discuss the machines used and methods of shape generations in fully fashioned garments with relevant sketches and examples.

(OR)

(b) Explain briefly the various techniques involved in the production of integral garments.

15. (a) Discuss the various causes spirality in knitted garments and the methods to overcome the same.

(OR)

(b) Write short notes on the following.

(i) Dimensional stability of knitted fabrics. (6)

(ii) Common and seaming defects. (6)

(iii) Tightness factor. (4)
