Register No: …….

B.TECH DEGREE EXAMINATIONS: APRIL 2011

Sixth Semester

FASHION TECHNOLOGY

U07FT601: Apparel Production Planning and Control

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

Answer All Questions:-

PART A (10 x 1 = 10 Marks)

1. _____ is the pre production activity.

a) Cutting b) Sampling c) Inspection d) Finishing

2. Short lead time means_____

a) Less than 10 days b) Less than 30 days c) Less than 45 days d) Less than 5 days

3._____ should be avoided in the layout

a) Front tracking b) Back tracking c) Side tracking d) Down tracking

4. Layout differs based on _____

a) Production system b) Delivery dates c) Lead time d) Shipment

5. Graphical presentation of sequence of operation refers to _____

a) Product flow chart b) string diagram c) travel chart d) flow diagram

6. Time and space relationship refers to _____

a) Production grid b) Product flow chart c) Outline process chart d) Flow diagram

7. _____is major difference between QRS and other garment manufacturing systems

a) Faster production b) Good Quality c) Simple layout d) Operator stands and performs

8. WIP refers to _____

a) Work in progress b) Waiting in production c) Work in programme d) Work in production

9. Gantt Chart refers to _____

a) Time and action plan b) Scheduling c) Dispatching d) Controlling

10. If the garment unit has 100 sewing operators, _____is the overall manpower requirement in the garment unit?

a) 100 b) 150 c) 200 d) 250

PART B (10 x 2 = 20 Marks)

11. What do you mean by Lead Time?

12. Indicate the features of Photo sample.

13. What is flow process chart?

14. What do you mean by Inventory-In-Process?
15. What do you mean Bundle Tickets?
16. What do you understand by “Individual System”?
17. If the SAM for cutting a shirt is 7 min, and the cutting target per day is 500, calculate the labour requirement.
18. Give garment Breakdown for Bermuda shorts.
19. What is Line Balancing?
20. Mention the various types of plant layout.

PART C (5 x 14 = 70 Marks)

21. a) Explain the product development steps from proto type to production model.

(OR)

b) Discuss the importance of Lead time and the pre production activities.

22. a) Explain the various types of production layouts used in apparel industry.

(OR)

b) Discuss the criteria for the evaluation of plant layout and the government regulations for Plant layout.

23. a) Formulate production grid for a men’s T-Shirt with illustration and explain the procedure.

(OR)

b) Develop a flow process chart for a Men’s Full sleeve shirt. Assume suitable industrial data wherever necessary.

24. a) Explain the Synchro straight line system with neat diagram and state its merits and demerits.

(OR)

b) Explain the step by step procedures of lay lot planning with suitable example.

25. a) Calculate the manpower and machinery requirement for a new plant of production capacity of 1000pcs woven shirt per day.

(OR)

b) Discuss the step by step procedure to balance the Line with examples.

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