M.TECH. DEGREE EXAMINATIONS: JANUARY 2009

First Semester

APPAREL TECHNOLOGY & MANAGEMENT

P08FT104 Apparel Production Management

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

Answer ALL Questions:-

PART A (20 x 1 = 20 Marks)

1. _____ is one of the activities of Production Control.

    a) Measuring   b) Thinking   c) Dispatching   d) Discussing

2. _____ is one of the corrective measures in production control.

    a) Rescheduling   b) Routing   c) Loading   d) scheduling

3. Production is a _____ Process

    a) Input   b) Output   c) Conversion   d) Control

4. Inventory refers to _____

    a) Wastage   b) Consumption   c) WIP   d) New Product

5. PDM refers to _____

    a) Product data Mix   b) Product data Management

    c) Product data mining   d) Productivity data matrix

6. Normal lead time for an order is

    a) 10-30 days   b) 90 days   c) 45-60 days   d) 100 days

7. Fit sample refers to _____ of the garment

    a) Correct colour   b) Correct Style   c) Correct measurement   d) Correct Tightness

8) Prototype sample means _____

    a) Fit samples   b) Photo samples

    c) TOP samples   d) Production sample

9. Which system is most suitable for implementing IE Techniques?

    a) Batch system   b) Group system   c) Individual system   d) Tailor system

10. Production grid represents

    a) Sequence of operation   b) space and time relationship with the sequence

    c) List of operations   d) List of machines.

11. Production scheduling means

    a) Target Fixing   b) Start and End time   c) Planning   d) List of activities

12. Operators stand and sew in _____ system

    a) UPS   b) PBS   c) Make through   d) Modular

13. Good marker efficiency means

    a) Above 80%   b) Below 70 %   c) 60-70% %   d) 100%

14. For one way fabric the spreading technique followed is

    a) Face to Face   b) Face up   c) Face to back   d) Zig-zag

15. _____ markers widely used in industry.

    a) Single size markers   b) double size markers

    c) Ratio markers   d) Deficient marker

16. If the marker efficiency is 80%, what will be the fabric utilization and fabric wastage percentage?

    a) 80/20   b) 20/80   c) 20/20   d) 100%

17. In each operation the planned output is 80 pcs, but in sleeve attaching operation the actual output is 40pcs, Estimate the number of labours required for sleeve attaching?

    a) 0   b) 3   c) 2   d) 5

18. Line balancing means

    a) Maintain same level of WIP   b) Achieving target

    c) Control of absenteeism   d) Install proper machine.

19. If the garment unit has 100 sewing m/c capacity, Give the approximate total man power requirement for the whole unit?

    a) 100   b) 150   c) 200   d) 500

20. If the standard time (sam) for making the full sleeve shirt is 30min, calculate the pcs/machine/labour?

    a) 20 pcs   b) 16 pcs   c) 30 pcs   d) 14 pcs

PART B (5 x 16 = 80 Marks)

21. a) (i) Explain the functions of Production control..   (8)

    (ii) Define and state the objectives of Production control.   (8)

(OR)

21. b) Explain the relationship of production control to the functional areas of a manufacturing organization.

22. a) (i) Explain the Importance of Pre Production activities.   (8)

    (ii) Briefly explain the preparation of Bill of Material for the order requirements.   (8)

(OR)

22. b) Explain the steps involved in product development from protype to production model.

23. a) Explain the progressive Bundle system with layout and state it merits and demerits

(OR)

23. b) Prepare a production schedule for an order quantity of 10,000 pcs for a knitted T-Shirt by using a GANTT Chart?

24. a) Explain the spreading Techniques for one way and two way fabrics?

(OR)

24. b) Write short notes on a) Economic cut quantity (4)
                     b) Bundle control sheet (4)
                     c) Cut order planning (4)
                     d) Marker utilization (4)

25. a) Do the manpower planning and machinery planning for a garment factory of Production capacity 1000 per /day form cutting to packing?

(OR)

25. b). Discuss in detail the procedures for Balancing of machines in the garment unit?

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