



	made out of calico
D. Prototype	4. crosscheck if the apparel production is based on preproduction sample

- a) A-3 B- 4, C-1, D-2                      b) A-4, B-3, C-2, D-1  
c) A-4, B-1, C-3, D-2                      d) A-3, B-2, C-1, D-4

5. -----emphasizes the relationship between the time each activity takes, the costs associated with each phase of production. CO3 [K<sub>3</sub>]

- a) UPS    b) PERT  
c) CPM    d) GANTT

6. Which one of the following spreading technique is suitable for two way fabrics? CO4 [K<sub>3</sub>]

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

7. Assertion (A): Line Balancing is the art of providing the work to operators to prevent over burdening of operators . CO5 [K<sub>4</sub>]

Reason (R): Line Balancing helps production manager as well as line supervisor without information.

- a) both A and R are individually true but R is not the correct explanation of A                      b) both A and R are individually true and R is the correct explanation of A  
c) A is false but R is true.                      d) A is true but R is false

8. Calculate the garment production per day (@ 100% efficiency) if the sewing operators per team is 12, working hours per day is 8 and the Standard Minutes for T-shirt pattern is 9 minutes. CO5 [K<sub>3</sub>]

- a) 420 pieces per day    b) 450 pieces per day  
c) 470 pieces per day    d) 530 pieces per day

9. Which of the following statements are true? CO4 [K<sub>4</sub>]

1. The inventory in process costs tend to increase when multi style orders run simultaneously
2. Flow process material chart informs the production of garment.
3. The master flow process grid gives the best production sequence when multi styles are produced
4. Man Machine Ratio (MMR) of a factory is 1:1, when the machine capacity is 500 and the workers utilized are 1000.



26. A single head embroidery machine takes 20 mins to process a job. Efficiency of the embroidery machine is 80% and waste is 20%. The desired output is 610 pieces per week. Consider 48 hours per week. Determine the number of machines required. CO5 [K<sub>5</sub>]

**PART D (4 x 10 = 40 Marks)**

27. Explain in detail about the steps involved in creating real designs through rapid and virtual prototype models. Give an example for each level. CO2 [K<sub>4</sub>]
28. Explain briefly about the working principle of whole garment production systems employed in a large scale knit wear industry CO3 [K<sub>4</sub>]
29. Discuss in detail about the importance, types of network modules and its specific applications in apparel industry CO3 [K<sub>4</sub>]
30. Elucidate about the different types of spreads and spreading machines used in the production of apparels. CO4 [K<sub>2</sub>]

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