

Register Number

B.TECH. DEGREE EXAMINATIONS: APRIL/MAY 2012

Eighth Semester

FASHION TECHNOLOGY

U07FTE16: Computer Integrated Apparel Manufacturing

Time: Three Hours

Maximum Marks: 100

Answer All Questions:-

PART A (10 x 1 = 10 Marks)

1. Which of the following provides the facility for tool path cutters to take on raw pieces?
A) CAD B) CAM C) CIM D) CASA
2. Identify which of the following is not a feature of computer aided textile design system with regard to woven fabrics.
A) Simultaneous creation and editing of multiple designs
B) Lack of float checking and breaking feature option
C) Auto weave creation facility
D) Yarn database for storage of yarn constructions
3. Which of the following refers to the number of pixels or individual colour dots in an image?
A) Keyboard B) Tablet C) Resolution D) Vector
4. Identify the embroidery design software among the following.
A) Accumark B) Modaris C) Diamino D) Wilcom
5. Match the following
(i) Turn Table - (a) Marker plan
(ii) Plotter - (b) Laser cutting
(iii) Beam of light - (c) Embroidery
(iv) Frame pattern - (d) Spreading
A) i-a,ii-c,iii-b,iv-d B) i-d,ii-a,iii-b,iv-c C) i-b,ii-c,iii-d,iv-a D) i-c,ii-b,iii-a,iv-d
6. Find the INCORRECT statement in connection with computerised marker making
A) The marker efficiency can be increased by increasing the total area of the marker.
B) It offers effective placement of pattern pieces to achieve the most economical marker.
C) Marking is dynamic; the user may add new sizes, styles or pieces to the marker
D) It is easy to create new markers from the existing ones .

7. In automatic cloth spreading machine, cradle feed system provides spreading.
A) Maximum tension B) Optimum tension C) Low tension D) Tension-free
8. An overhead transporter system that moves individual units from work station to work station for assembly is known as
A) CTS B) WTO C) ORT D) UPS
9. Which of the following is not a feature of electronic catalogue system?
A) Process real time transaction B) Lack of automatic purchase order creation option
C) Shopping cart functionality D) Product search engine
10. Pick the odd one out among the types of Management Information system (MIS).
A) Transaction Processing system B) Exhaustive information system
C) Expert Systems and Artificial Intelligence D) Decision support system

PART B (10 x 2 = 20 marks)

11. Enlist the various types of storage devices used in computers.
12. Differentiate between “CAM” and “CIM”.
13. What is the significance of flat line rendering?
14. Outline the concept of texture mapping.
15. Enlist the types of body measurement system.
16. Compare manual marker planning with computerized marker planning.
17. State the principle adopted in computer aided fabric defect checking.
18. Mention any two areas of robotics application in apparel manufacture.
19. State the concept of Electronic Data Interchange (EDI).
20. Mention the advantages of MIS with regard to apparel industry.

PART C (5 x 14 = 70 marks)

21. a) Describe the salient features of a textile design system software with regard to knitted fabrics.

(OR)

- b) Enumerate the procedure involved in the exploration of a basic weave structure, colour and textural effect using a textile design software.

22. a) Explain the procedure of 3D Draping system for a women's wear with suitable illustrations.

(OR)

b) Enumerate the process of virtual garmenting for a men's wear.

23. a) Explain the digitizing process of a pattern using digitizer with suitable diagram.

(OR)

b) Enumerate the procedure involved in the computer aided pattern making and grading process for a t-shirt.

24. a) Elucidate the functioning of unit production system and mention its advantages over conventional production systems.

(OR)

b) Describe the salient features of a computer controlled embroidery machine.

25. a) Give a detailed account on the application of e-commerce in apparel industry with a special regard to its benefits, associated issues and future prospects.

(OR)

b) Describe the functioning of a suitable type of ERP model for an apparel firm.
