

Reg. No. :

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K 4515

B.E./B.Tech. DEGREE EXAMINATION, MAY/JUNE 2009.

Eighth Semester

Textile Technology

TT 1015 — CAD/CAM FOR APPAREL PRODUCTS

(Regulation 2004)

Time : Three hours

Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What do you mean by "Grading"?
2. Enlist the various concepts of CAD/ CAM.
3. Name some of the software and system programming that are used to produce a pattern?
4. State the importance of "Garment CAD Software".
5. Give the importance of critical path analysis in Apparel Industry.
6. What do you mean by "Finite Scheduling Concept"?
7. Write a small algorithm for computer production garment parts.
8. State the merits of 3D Scanning Technology in Apparel production.
9. What do you mean by "ERP"?
10. State the main function of "LC" in documentation process.

11. (a) Explain in detail the complete pattern design system in preparation for grading, marker making and pattern manipulation.

Or

- (b) Explain in detail the application of CAD/CAM in Garment manufacturing.

12. (a) (i) Explain in detail about computerized pattern making. (8)

- (ii) Explain in detail about the operation of garment CAD Software. (8)

Or

- (b) With neat flow chart, explain in detail the Computer Aided Production Planning in garment manufacturing.

13. (a) Give a detailed account on Finite Scheduling Concept and Production Scheduling Softwares used in Apparel Industries.

Or

- (b) Explain in detail about analysis of line balancing in different departments in apparel industry.

14. (a) Discuss in detail about the use of microcomputers for production control in garment industry.

Or

- (b) Write detail notes on :

- (i) Image Techniques for various design. (8)

- (ii) Developments of Robotics for CAM. (8)

15. (a) Explain in detail about the different types of management information system used in garment industries.

Or

- (b) Write detailed notes on :

- (i) EDI in garment Technology. (6)
 - (ii) Concepts of ERP. (5)
 - (iii) Computerization in Exports. (5)
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