D 803

B.Sc. (Applied Science) DEGREE EXAMINATION, APRIL/MAY 2003.

First Year

Apparel and Fashion Technology

FT 1.7 — COMPUTER PROGRAMMING

Time : Three hours Maximum : 100 marks

Answer ALL questions.

PART A — (10 × 2 = 20 marks)

1. What is an algorithm and a computer program?

2. What is stored programme concept?

3. What is a plotter?

4. What is light pen?

5. What is high level language?

6. What is an operating system? Why do we need it?

7. How does MS–WINDOWS differ from MS–DOS?

8. Discuss the ways to create a simple table in word processor.

9. What are the uses of Color Management System?

10. How to draw a polygon using CorelDraw?

PART B — (5 × 16 = 80 marks)

11. (i) Draw the block diagram and explain working of a computer. (8)

(ii) Explain how characters, integers and fractions are represented internally in a computer. (8)

12. (a) What are the three principal devices to output information from a computer? Explain them in detail. (16)

Or

(b) Explain the variety of devices used as input devices in graphical applications. (16)

13. (a) (i) What is an assembly language? Explain it in detail. (8)

(ii) Explain in detail about batch operating system and multi–user and multitasking operating system. (8)

Or

(b) (i) Why do we need flow charts? Specify various blocks in a flow chart. (6)

(ii) Device a flow chart for solving quadratic equation. (6)

(iii) Why do we need programming languages? Explain in detail about higher level programming languages. (4)

14. (a) (i) Explain the uses and features of Mail Merge facility in word processor. (8)

(ii) Explain the following global operations provided by word processor. (8)

(1) Block_Move (2) Search_and_Replace.

Or

(b) (i) Discuss briefly about justification and hyphenation feature of a word processor. (6)

(ii) Discuss various embedded formatting command in word processor. (10)

15. (a) (i) How can you change the order of objects on a layer? (7)

(ii) What do you mean by snap points? How to draw connector lines between two objects? (9)

Or

(b) Explain in detail about various color models that define colors. (16)
