

P 486

B.Sc. (Applied Science) DEGREE EXAMINATION, NOVEMBER/DECEMBER 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. Distinguish between assembly language and high-level language. Also list any four high level languages.
2. Why are input and output devices necessary? Mention any two input and output devices commonly used in PC's.
3. Mention the roles of an operating system.
4. State True/False :
 - (a) A megabyte is larger than a giga byte.
 - (b) The sharpness of a printer's output is measured by its resolution.
 - (c) The image you see on the computer's monitor is made up of pixels.
 - (d) Floppy disks can hold just as much data as hard drives.
5. Group each of the following term under appropriate heading (Hardware or Software)

Terms :

MODEM, Windows 98, Printer, floppy disk, word processing application, letter document file, computer system and peripherals.

6. (a) Convert 2 E to decimal system of numbers
- (b) Convert the decimal number 62 into a binary number.
7. How split cells and merge cells works in MS-WORD?
8. Mention the types of graphics. How can graphics be inserted into your word document.
9. Develop logic to find the larger of the two numbers.
10. Mention the application where corel-draw and photo shop packages are used.

PART B — (5 × 16 = 80 marks)

11. (i) Draw the flow chart and write the algorithm for the following problems. Check whether the given number is odd, even or zero. (8)
- (ii) Generate the Fibonacci series (12 terms).
0 1 1 2 3 5 8 13 21 34 55 89. (8)
12. (a) Draw the basic structure of the computer and explain its functional blocks. (16)

Or

- (b) Discuss the generations of the computers in detail. (16)
13. (a) (i) Draw the block diagram of the key board. (5)
- (ii) What are the major types of keys and mention its usage? (8)
- (iii) Mention the functions performed by key board. (3)

Or

- (b) (i) Draw the block diagram of the printer and mention its characteristics. (7)
- (ii) Explain Dot Matrix, Inkjet and Laser Printer in detail. (9)

14. (a) (i) Explain the classification of computer software with examples for each. (6)
- (ii) To which classification does Operating System belong to? (2)
- (iii) Explain batch processing and multitasking OS. (8)

Or

- (b) Explain the features of Dynamic Data Exchange and Object Linking and Embedding in MS WORD with an example. (16)
15. (a) (i) Explain how pictures are created using corel draw with an example. (8)
- (ii) How to color the portions of the picture? (4)
- (iii) Explain the usage of brush in corel draw. (4)

Or

- (b) (i) Define snap points and explain its usage with an example. (8)
- (ii) Write a note on various color models to define the colors. (8)

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