

Fundamentals Of Information Technology

2008 November

Technology BCA

Semester 1

University Exam

Mangalore University

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Credit Based First Semester B.C.A. Degree Examination
October / November 2008

FUNDAMENTALS OF INFORMATION TECHNOLOGY

Time : 3 Hours

Max. Marks : 80

Note: Answer any TEN questions from PART A and one full question from each UNIT in PART B.

PART A

1. a) Define (i) Data (ii) Information (10x2=20)
b) Define Byte and Bit.
c) Expand : (i) EBCDIC (ii) QBE
d) What is multiprogramming?
e) What are the two categories of LCD?
f) Give the usage of track pad and joystick.
g) What is the difference between diskette drives and hard disk drives.
h) What is multimedia?
i) Differentiate the terms workbook and worksheet.
j) What is the function of windows in GUI?
k) What is an Information system?
l) Expand : (i) SDLC (ii) CASE

PART B
UNIT I

2. a) Explain the physical components of a computer.
b) Write a note on (i) Super computers (ii) Laptop computers
c) What are the different factors, which are used to compare the CRT monitors.

(6+4+5)

OR

3. a) How does computer accept input from the keyboard ? Explain with a neat diagram.
b) Write a note on (i) the trackball (ii) touch screen (iii) cache memory (iv) ASCII (v) Unicode

(5+10)

UNIT II

4. a) Explain the factors while measuring drive performance.
b) Explain the concept of object linking and embedding.
c) What is Mail merge?

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- d) Write a note on DTP software.

(5+3+2+5)

OR

5. a) How is data organized on a disk?
 b) What is multitasking ? Explain.
 c) Explain any two categories of text formatting in a word processor.
 d) Write a note on CD-ROM.

(3+4+4+4)

UNIT III

6. a) What is a spreadsheet ? Explain any four features of a spreadsheet.
 b) What is DBMS and Database ? Compare flat-file and relational databases.
 c) Explain CAD.

(5+6+4)

OR

7. a) Briefly explain the spreadsheet interface.
 b) What is a form?
 c) Explain any five field types in a database.
 d) Write a note on scanners and clipart.

(4+2+5+4)

UNIT IV

8. a) Explain the steps involved in developing a multimedia product.
 b) Write a note on (i) Decision support systems (ii) Management Information system
 c) Explain digital convergence.

(5+6+4)

OR

9. a) Describe the phases of multimedia design.
 b) Write a note on Transaction Processing Systems.
 c) Describe top down and bottom up approaches in system design.
 d) Why do organization use Office Automation Systems?

(5+3+4+3)

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