

Reg. No.

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**BCACAC 107**

**Credit Based First Semester B.C.A. Degree  
Examination, October/November 2012  
FUNDAMENTALS OF INFORMATION TECHNOLOGY  
(New Syllabus 2012-13 Batch Onwards)**

Time : 3 Hours

Shri Dharmasthala Manjunatheshwara  
College of Business Management Library  
MANGALORE - 575 003

Max. Marks : 80

**Note : Answer any ten questions from Part – A and any one full question from each Unit in Part – B.**

**PART – A**

1. a) What is CPU ? Mention its subsystems ? (10x2=20)
- b) What is a bit ? Specify number of bytes in Kilobyte and Gigabyte.
- c) Differentiate RAM from ROM.
- d) What are the 2 types of secondary storage devices ? Give example for each.
- e) Give any two drawbacks of magnetic tapes.
- f) What is plotter ?
- g) What is flowchart ?
- h) What is operating system ? Give two examples.
- i) Define internet and WWW.
- j) What is the use of disk defragment utility ?
- k) What is modem ?
- l) Define DBMS.

**PART – B**

**UNIT – I**

2. a) Write a note on evolution of computers.
- b) Explain the characteristics of third generation computers.
- c) Write the application of computers in education and banking fields. (7+5+3)



3. a) What is cache memory ? How they speed up the memory retrieval process ?  
b) Explain various types of ROM.  
c) Describe how the communication between various units of a computer system take place. (3+4+8)

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College

#### UNIT – II

4. a) Explain the process of accessing data from magnetic disk.  
b) Write a note on Barcode reader and Joystick.  
c) Explain the working of MOUSE. (6+4+5)
5. a) What is optical disk ? Explain the reading and writing operations to a CD-ROM.  
b) How laser printer works ? Explain.  
c) Explain the working of CRT monitor briefly. (5+5+5)

#### UNIT – III

6. a) Explain any six symbols used in a flowchart.  
b) What are advantages and disadvantages of machine language ?  
c) Explain the term website, webpage and webserver. (6+6+3)
7. a) Explain any ten criterion for making a program language good.  
b) Write a note on image editors and desktop publishing software. (10+5)

#### UNIT – IV

8. a) With the help of a neat diagram, explain the various components in the user interface of MS Office Word 2003.  
b) Explain three PPT views. (12+3)
9. a) Explain various parts of my computer window with diagram.  
b) What is meant by formatting ? Give the meaning of any six formatting commands in MS- Word -2003.  
c) Write the steps in creating a table using design view in MS Access. (7+4+4)