Reg. No. ☐☐☐☐☐☐☐☐

BCACAC 107

Credit Based First Semester B.C.A. Degree Examination, Oct./Nov. 2014
FUNDAMENTALS OF INFORMATION TECHNOLOGY
(New Syllabus) (2012-13 Batch Onwards)

Time : 3 Hours

Max. Marks : 80

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

PART – A

1. a) List any two characteristics of second generation computers. **(10×2=20)**
   b) What is a system bus ? Name its three logical units.
   c) Specify the advantages of secondary storage devices over the primary memory.
   d) What is the use of a scanner ? Write the types of scanners.
   e) What is the purpose of USB port ?
   f) Expand OCR and MICR.
   g) What are the advantages of Machine language ?
   h) What is Application software ? Give two examples.
   i) List any four data types used in MS-Access.
   j) Differentiate Worksheet and Workbook.
   k) List various views in Power-point Window.
   l) Define Cell and Cell address in a spreadsheet.

PART – B

Unit – I

2. a) State and explain any six characteristics of computers.
   b) Explain the applications of computers in any five areas.
   c) Write a note on Registers. **(6+5+4)**

3. a) Explain the three main subsystems of CPU.
   b) Write a note on :
      i) Super Computers   ii) Laptop Computer
   c) Explain memory hierarchy with a neat diagram. **(6+4+5)**

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Unit – II

4. a) Explain different types of Magnetic Disks.
   b) Explain any two input devices.
   c) What is an impact printer ? Explain any two types of impact printers.   **(6+4+5)**

5. a) Explain Hard Disk and Compact Disk.
   b) What are the differences between LCD and CRT ?
   c) Write a note on :
      i) Barcode Reader   ii) Plotters   **(6+5+4)**

Unit – III

6. a) Explain the program development cycle with diagram.
   b) List and explain any two types of System Software.
   c) Give the limitations of Flowcharts.   **(7+5+3)**

7. a) Explain any six features of a good programming language.
   b) What is a language translator ? Explain its types.
   c) Explain the basic internet terms.   **(6+4+5)**

Unit – IV

8. a) Explain the components of Power-point window.
   b) Explain the special features of MS-Word.
   c) What do you mean by spreadsheet ? What are its features ?   **(5+5+5)**

9. a) Explain any five library functions of MS-Excel.
   b) What is a query in MS-access ? How can query be created using query wizard and also discuss the steps to run the access query.
   c) Explain the different views provided by MS-Word.   **(5+7+3)**