Reg. No. ☐☐☐☐☐☐☐☐☐☐

BCACAC 107

Credit Based First Semester B.C.A. Degree Examination, Oct./Nov. 2016
(Common to All Batches)
FUNDAMENTALS OF INFORMATION TECHNOLOGY

Time : 3 Hours

Max. Marks : 80

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

PART – A

(10×2=20)

1. a) List any four characteristics of second generation computers.
   b) Differentiate RAM from ROM.
   c) What are the advantages of transistors over vacuum tubes ?
   d) What are the two methods of accessing data from secondary storage devices ?
   e) Expand OCR and MICR.
   f) What is a memory stick ?
   g) What are the advantages of machine language ?
   h) What is an interpreter ?
   i) Define cell and cell address.
   j) What are the use of header and footers in word processing ?
   k) Write a note on "Query" with respect to database.
   l) What is word wrap ?

PART – B
UNIT – I

2. a) Explain any six characteristics of computer.
   b) Write the application of computers in banking and communication field.
   c) What is a cache memory ? How do they speed up the memory retrieve access ?

   (6+5+4)

3. a) Write a note on system bus.
   b) Explain memory hierarchy.
   c) Write a note on super computer and Laptop computer.

   (5+5+5)

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UNIT – II

4. a) Write a note on barcode reader and Joystick.　　　　(5+5+5)
   b) What is a output device ? Explain the two forms of output.
   c) Explain the storage organization of a magnetic disk.

5. a) What is an impact printer ? Explain any two types of impact printer.　(5+5+5)
   b) Explain the working of mouse.
   c) Explain :
      i) Hard Disk
      ii) Compact Disk.

UNIT – III

6. a) Explain five characteristics of a good program.　　　(5+6+4)
   b) What is an operating system ? Explain three functions of the operating system.
   c) Explain the two service providers by the internet.

7. a) Explain the different types of language translators.　　(5+5+5)
   b) Explain the steps needed to develop a decision table.
   c) Explain the five symbols used in flowchart.

UNIT – IV

8. a) Explain the five features of Microsoft Office Word 2007.　(5+5+5)
   b) List the data types used in MS Access along with their description.
   c) Explain spreadsheet interface.

9. a) Explain the features of Power Point.　　　　(5+5+5)
   b) Briefly explain five mathematical function in worksheet with example.
   c) Explain any two methods of creating tables in MS-Word.