BCMCAV 104

Credit Based First Semester B.Com. Degree Examination, November/December 2015
(Common to all Batches)
COMPUTER APPLICATIONS (Paper – I)
Fundamentals of Computers and Office Automation

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   (10×2=20)

1. a) Name the basic component of first generation computers and state its disadvantage.

   b) What is the role of the control unit ?

   c) What is a system bus ?

   d) Why is secondary storage devices used ? Give examples of any two secondary storage devices.

   e) Define word length.

   f) Convert $(125)_{10}$ to decimal.

   g) What is an assembler ?

   h) What are the advantages of machine language ?

   i) List any two uses of flowcharts.

   j) What is a database ?

   k) What is HTML ?

   l) List any four formatting features of a Word Processor.

PART – B
Unit – I

2. a) Explain any five characteristics of computers.

   b) What is RAM ? Explain the various types of RAM.

   c) Write the application of computers in education and business application.

   (5+5+5)

3. a) Expalin the process of communication between processor and memory.

   b) Convert $(11001001)_2$ to
      i) Decimal   ii) Octal   iii) Hexadecimal

   c) Write short notes on :
      i) Desktop computers   ii) Laptops

   (5+5+5)

Unit – II

4. a) Explain storage organization in magnetic tape.

   b) Explain the working of CRT monitor.

   c) Explain any two input devices.

   (5+5+5)

5. a) Explain any two types of optical disks.

   b) Explain the working of a Mouse.

   c) List the differences between CRT and LCD.

   (5+5+5)

Unit – III

6. a) Write short notes on the following topologies :
      i) Tree   ii) Ring

   b) Write the advantages of flow charts.

   c) Define the terms :
      a) Shareware
      b) Freeware
      c) Public Domain Software.

   (5+5+5)

7. a) Write a flowchart that prints the sum of first 10 natural numbers.

   b) Write short notes on :

   i) Linker   ii) Loader

   c) Explain program development cycle with a diagram.   **(5+5+5)**

Unit – IV

8. a) Explain any five features of SpreadSheet software.

   b) Define the following internet terms :

   i) WWW   ii) URL   iii) Browser

   c) Write a note on Database Management System.   **(5+5+5)**

9. a) Explain any two types of internet connections.

   b) What is Mail Merge ? Explain.

   c) Explain :

   i) FTP   ii) E-mail.   **(5+5+5)**