Credit Based First Semester B.Com. Degree Examination, October/November 2016
COMPUTER APPLICATIONS
Paper – I : Fundamentals of Computers and Office Automation
(Common to all Batches)

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) Name any two first generation computers.   (10×2=20)
   b) What is ASCII code ?
   c) Define bit and byte.
   d) List any two advantages of a magnetic disk.
   e) What is a Qwerty keyboard ?
   f) List types of printer.
   g) Define an algorithm.
   h) List any two features of a good programming language.
   i) Define software.
   j) What is a browser ? Give an example.
   k) List any four uses of internet.
   l) What is a spreadsheet ?

PART – B
UNIT – I

2. a) Explain any five characteristics of computer.
   b) Perform the following conversion between number bases.
      i) $(123)_{10}$ to binary   ii) $(1001101)_2$ to decimal
   c) Write a note on Cache memory.   (5+5+5)

3. a) Explain types of computers.
   b) Explain with an example how to add and subtract two binary numbers.
   c) Explain types of RAM.   (6+4+5)

P.T.O.

UNIT – II

4. a) Explain magnetic tape.

   b) Explain optical mark recognition.

   c) Explain dot matrix printer.   (5+5+5)

5. a) Write short notes on
      i) Memory stick
      ii) USB.

   b) Explain touch screen.

   c) Explain laser printer.   (6+4+5)

UNIT – III

6. a) Write an algorithm to find largest of three numbers.

   b) Explain generations of programming languages.

   c) Write a note on compiler and interpreter.   (5+5+5)

7. a) Draw and explain the symbols used in a flow chart.

   b) Write a note on assembly language.

   c) Explain : i) Bus topology ii) Star topology.   (6+4+5)

UNIT – IV

8. a) Define the following internet terms :
      i) World wide web
      ii) URL
      iii) Hypertext

   b) Explain any five features of a word processing software.

   c) Define : i) Database ii) RDBMS.   (6+5+4)

9. a) Explain Modem.

   b) Explain : i) Ecommerce ii) File transfer protocol   iii) Telnet

   c) Explain mail merge.   (4+6+5)