

# END TERM EXAMINATION

FIRST SEMESTER [BBA] DECEMBER-2009

Paper Code: BBA107

Subject: Computer Fundamentals

Paper Id-17107

Time : 3 Hours

Maximum Marks :75

Note: Attempt all questions with internal choice as indicated.

- Q1 (a) What do you mean by the term software? Explain the difference between compiler and interpreter.  
 (b) Divide  $(100001)_2$  by  $(110)_2$  using binary division method.  
 (c) What is the difference between ROM, PROM and EPROM?  
 (d) Explain simple batch system.  
 (e) Write main features of optical fiber. (5x3=15)

- Q2 (a) What is computer? Discuss block diagram of a computer and explain the functions of various units of computer system. (8)  
 (b) Classify the computer on the basis of processing speed and storage units. (7)

**OR**

- (a) Do the following conversions. (3x2.5=7.5)  
 (i)  $(225)_8 = ( )_2$  (ii)  $(2CD)_{16} = ( )_2$  (iii)  $(1100101101)_2 = ( )_{10}$   
 (b) Perform the following arithmetic operations (use complement method wherever required). (3x2.5=7.5)  
 (i)  $(1100)_2 * (1010)_2$  (ii)  $(10111011)_2 - (110011)_2$  (iii)  
 $(11110110)_2 + (110000)_2$

- Q3 (a) Discuss any five input devices. (7.5)  
 (b) Discuss any five output devices. (7.5)

**OR**

- (a) Discuss primary and secondary memory in the computer system. (7.5)  
 (b) Define secondary storage devices. What is the need of such devices? Discuss any two such devices. (7.5)

- Q4 (a) What is an operating system? Explain the functions of operating system. (7.5)  
 (b) Explain the difference between multiprogramming and multiprocessing operating systems. (7.5)

**OR**

Write the syntax of the following commands with example:- (10x1.5=15)

- (i) DIR (ii) COPY (iii) COPY CON (iv) REN (v) DEL  
 (vi) MD (vii) RD (viii) TREE (ix) VOL (x) SCANDISK

- Q5 (a) What do you mean by networking? Discuss the three major types of networks. (7.5)  
 (b) What are the various modes of transmission? (7.5)

**OR**

- (a) What is the difference between workbook and worksheet? (5)  
 (b) Write the steps to create mail merge. (10)