(Please write your Exam Roll No.) *Exam Roll No. .....*

END TERM EXAMINATION

FIRST SEMESTER [BBA/BBA(B&I)/BBA(TTM)/BBA(MOM)] DECEMBER-2011

Paper Code: BBA/BBA(B&I)/BBA(TTM)/BBA(MOM)107 *Subject: Computer Fundamentals*

Time : 3 Hours *Maximum Marks :75*

Note: Attempt any fine questions. Scientific calculators are not allowed.

Q1 (a) List out steps taken by CPU to execute a instruction. **(8)**

(b) What is an instruction set of a computer system? Do computers made by different manufacturers generally have the same or different instruction sets? **(7)**

Q2 (a) What are registers and how are they important? **(5)**

(b) What are Supercomputers and where are they used? **(5)**

(c) Describe the main characteristics of fifth generation computes. **(5)**

Q3 (a) Differentiate between CISC and RISC processors. **(5)**

(b) A fast processor alone is not sufficient for good performance of a computer system. Discuss. **(5)**

(c) Hardware is normally a one-time expense whereas software is a continuing expense. Discuss. **(5)**

Q4 (a) convert the $(685)_{10}$ into equivalent binary, octal and hexadecimal numbers. **(6)**

(b) After converting the numbers in binary, perform the following arithmetic- **(9)**

(i) $-(57)_{10}-(36)_{10}$ (ii) $(83)_{10}-(27)_{10}$ (iii) $(27)_{10}+(39)_{10}$

Q5 (a) Explain the key functions performed by the system software of a computer system. **(5)**

(b) Describe the machine independence characteristic of a high-level language. **(5)**

(c) What is an assembly language? What are its advantages over machine language? **(5)**

Q6 (a) Why are I/O devices necessary for a computer system? **(5)**

(b) How is multiprocessing different from multiprogramming? **(5)**

(c) Discuss the characteristics of time sharing operating system. **(5)**

Q7 (a) Differentiate among Simplex, half-duplex and full-duplex modes of data transmission. **(5)**

(b) What are the advantages and disadvantages of mesh topology, star topology and bus topology? **(10)**

Q8 (a) Discuss the applications of IT in marketing and finance area of management. **(9)**

(b) Explain average( ), gf( ) and count( ) functions of MS Excel. **(6)**

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