

END TERM EXAMINATION

FIRST SEMESTER [MBA] NOVEMBER-DECEMBER 2018

Paper Code: MS-109

Subject: IT Management

MS (FM)-109

MBA (FM)-109

Time : 3 Hours

Maximum Marks : 75

Note: Attempt any five questions.

- Q1. a) Discuss the factors on which speed of the computer system depends. (7)
 b) Differentiate among RAM,ROM and cache memory. (4)
 c) Compare and contrast mainframe, mini and microcomputers. (4)
- Q2. a) Perform the following conversions: (8)
 i) Convert binary 1100100101 to decimal
 ii) Convert decimal 5782 to hexadecimal
 iii) Convert binary 1101010010 to octal
 iv) Convert decimal 0.825 to binary.
 b) Convert the decimal numbers into binary and then perform the arithmetic operations. (4)
 i) $(75)_{10} + (18)_{10}$
 ii) $(55)_{10} - (22)_{10}$
 c) If size of the address bus is 32 bits, then how many memory locations can be addressed? (3)
- Q3. a) What are the steps in designing of a database? (7)
 b) Explain the characteristics of multiprogramming and real time operating systems. (8)
- Q4. Differentiate between: (3x5=15)
 a) Internal and External fragmentation
 b) Physical topology and logical topology
 c) Application software and system software.
 d) Machine language and Assembly language.
 e) Bus and Star topology
- Q5. a) Explain the syntax of following SQL commands (6)
 i) create table
 ii) update
 iii) Alter table
 b) What are the functions of router, bridge and hub? (6)
 c) Explain the process management function of operating system. (3)
- Q6. a) What are the various headers and trailers, that added on network and data link layers of OSI model? (5)
 b) Why is HTML can create only static web pages? (5)
 c) What are the advantages of an Intranet? (5)
- Q7. a) What are the components of an information system? Differentiate between MIS and DSS. (8)
 b) Discuss the applications of information technology in marketing and production areas of management? (7)
- Q8. a) What are the security threats to an information system? (8)
 b) Which information systems are more useful for lower level and middle level management? Why? (7)
