

END TERM EXAMINATION

FIRST SEMESTER [MBA] NOVEMBER - DECEMBER 2017

Paper Code: MS-109

Subject: Information Technology Management

MBA(FM)-109

(Batch 2017 Onwards)

Time: 3 Hours

Maximum Marks: 75

Note: Attempt any five questions including Q no.1 which is compulsory.

Q1 Answer any five of the following questions, briefly: (5x5=25)

- (a) Explain why 64 bit computer is faster than 32 bit computer.
- (b) List and explain different types of computer memory. What is the use of ROM?
- (c) What are the different types of Programming Languages? Explain them briefly.
- (d) What are the advantages of database approach over file system? Explain the term concurrency.
- (e) What are the major functions of an Operating System? Explain the term multiprogramming?
- (f) What do you mean by Intranet? How is it different from that of Extranet? Explain with suitable example.
- (g) Explain the phases of Simon's decision making process?

Q2 (a) Perform the following:- (6)

- (i) $(907.1)_{10} = (?)_2$
- (ii) $(603.2)_8 = (?)_{10}$
- (iii) $(3A.2)_{16} = (?)_{10}$
- (iv) $(10011.11)_2 = (?)_8$

(b) Differentiate among Supercomputer, Minicomputer and Microcomputer. (6.5)

Q3 (a) What is Compiler? How is it different from that of Interpreter? Explain with suitable example. (6)

(b) What are the basic symbols used in ER diagrams? Explain them briefly. (6.5)

Q4 (a) What do you mean by software development processes? What are the characteristics of a good program? (6)

(b) Explain the working of time sharing operating system and real time operating system. (6.5)

Q5 (a) Explain the following SQL command with an example:- (6)

- (i) CREATE
- (ii) INSERT
- (iii) SELECT
- (iv) UPDATE

(b) What are the different types of Data Models? Explain them briefly. (6.5)

Q6 (a) What are the different types of Network Topologies? Explain the advantages and disadvantages of each. (6)

(b) Differentiate between:- (6.5)

- (i) Logical Address and Physical Address.
- (ii) Switch and Router

Q7 (a) What are the different classifications of Information Systems? Explain them briefly. (6)

(b) What are the different types of Security Issues in Information Technologies? Explain them briefly. (6.5)

Q8 Write short notes on the following:-

(a) Components of Information System (6)

(b) Emerging Trends in Information Technology (6.5)
