1st Semester Regular / Back Examination 2021-22
IT FOR MANAGEMENT
BRANCH: IMBA
Time: 3 Hours
Max Marks: 100
Q.CODE: O 763

Answer all questions from part-I, any EIGHT from Part-II and any TWO from Part-III
The figures in the right hand margin indicate marks.

Part-I

Q1 **Short Answer type Questions (*Answer all questions*):** (2 x 10)

a) Convert the binary number 1010101000010111 into to equivalent hexadecimal number.

b) What is joystick?

c) Define the terms hardware and software.

d) What are the types of keys that are used in relational model?

e) Name operating systems used in a computer system.

f) Describe data abstraction.

g) What do you mean by Cache Memory?

h) What is trackball?

i) What is the need for using external HDD?

j) Differentiate between snooping and sniffing?

Part-II

Q2 **Focused-short Answer type Questions (*Answer any Eight questions*):** (6 x 8)

a) Explain the components of CPU and their functionality.

b) What is Operating System? Explain various services provided by Operating System.

c) Differentiate between Process and Thread.

d) What is demand paging? Explain various page replacement techniques used in virtual memory.

e) Define computer virus. How do they infect and spread in a computer system? Give three examples of computer viruses.

f) Compare microcomputers, minicomputers and main frames in terms of size and cost.

g) Explain the concept of a programming language? Give its classification.

h) What is software? Differentiate between System Software and Application Software. Enlist System and Application software.

i) What is FTP? Explain with example.

j) What are the components of a database system?

k) Differentiate between multi-processing and multi-tasking operating system.

l) How Broadband Internet Connection differs from Leased line internet Connection

Part-III

Long Answer type Questions (*Answer any Two questions*) :

Q3 Differentiate among the following terms: multiprogramming, Multitasking, Multithreading and multiprocessing. **(16)**

Q4 Explain TCP/IP and OSI Model in detail. **(16)**

Q5 What are the various types of memory which are usually used with modern digital computers? Give their important features in brief. **(16)**

Q6 Explain different types of Languages with example available in Database Management System **(16)**