Time: 2 Hours and 30 minutes   Total Marks: 50

N. B.: Answer any 5(five) questions. All questions are of equal marks. Parts of the same question must be answered following the serial.

Q.1.	a.	What is an input device? Name some commmonly used input and output devices.	1+3=4
	b.	What is an algorithm? What are the characteristics necessary for a sequence of instructions to qualify as an algorithm?	1+5=6
Q.2.	a.	Differentiate the followings: i) Magnetic disk and Optical disk ii) Compiler and Interpreter iii) Data and Information	2×3=6
	b.	What is the unit of computer memory? Describe the categories of computer memories.	4
Q.3.	a.	What is database management system? What are the three basic activities of a database management system?	1+4=5
	b.	Explain the data storage hierarchy model with diagram.	5
Q.4.	a.	What is computer network? Name different types of computer networks and briefly explain their characteristics.	1+4=5
	b.	What do you mean by network topology? Explain BUS and STAR topologies with diagram.	1+4=5
Q.5.	a.	What are the benefits and drawbacks of e-commerce?	6
	b.	What is virtual shop? How can a customer make purchase from it?	4
Q.6.	a.	What is data communication? Identify the basic elements of a data communication system and purpose of each.	1+4=5
	b.	Define flowchart. Draw a flowchart to solve the following problem-	1+4=5

"You have three integer numbers as A, B and C. These numbers are supplies as input. Now, you have to find the largest number among them and print the largest number as output"

Q.7.	a.	What is multimedia? What are the components of multimedia?	2
	b.	Write short notes on: i) E-mail ii) FTP iii) Telnet iv) WWW	2×4=8

The End