SECOND SEMESTER EXAMINATION
DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY
Paper Code: DMLT0205
Paper Name: Computer Fundamentals

Maximum Marks = 70   **Maximum Time = 3 Hrs.**

The question paper has <u>seven</u> questions. The candidate must attend only <u>five</u> of them. All the questions has equal marks

Question 1.	Discuss the basic concepts of computer systems, including hardware, software, and operating systems.	14 Marks
Question 2.	Explain the principles and techniques of computer networking, including the basics of data communication, network protocols, and the internet.	14 Marks
Question 3.	Analyze the principles and methods of data storage and management, including file systems, databases, and data security.	14 Marks
Question 4.	Discuss the principles and techniques of computer programming, including programming languages, algorithms, and program design.	14 Marks
Question 5.	Explain the principles and methods of computer security, including user authentication, encryption, and protection against malware and cyber threats.	14 Marks
Question 6.	Discuss the principles and applications of computer graphics and multimedia, including image editing, animation, and audio/video processing.	14 Marks
Question 7.	Analyze the emerging trends in computer technology, such as cloud computing, artificial intelligence, and the internet of things (IoT), and their impact on various fields.	14 Marks