



### Term Evaluation (Even) Semester Examination March 2025

Roll no.....

Semester: 6th

Subject Name: Information Security

Course Code: DTCS 603

Time: 1.5 hrs

Maximum Marks: 50

Note:

- Answer any one of the sub questions among a and b in each main question.
- Each question carries 10 marks.

<b>Q1</b>	(10 marks)	CO1
(a) What do you understand by Information Security, Cyber Security and Network Security?		
OR		
(b) What are the steps of Cyber Attack? Explain briefly.		CO2
<b>Q2</b>	(10 marks)	
(a) Explain the Principles of Information Security in detail.		
OR		CO1
(b) Explain the role of following terms in Security System with suitable diagrams. i. IDS ii. IPS iii. Firewall iv. VPN v. IPsec		
<b>Q3</b>	(10 marks)	
(a) What do you understand by following terms. i. Data breach ii. Physical Data Vs Digital Data iii. Data Encryption iv. Antivirus v. Security threats		CO2
OR		
(b) What do you understand by layers of security? Explain in detail..		
<b>Q4</b>	(10 marks)	CO2
(a) What is Operation Model of Computer Security? Explain in detail.		
OR		
(b) Differentiate between Active Attack and Passive Attacks.		CO1
<b>Q5</b>	(10 marks)	
(a) What do you understand by Malwares ? Explain all types of malwares.		CO1
OR		
(b) What do you understand by access control ? Explain all types of access control.		CO2