



SOMAIYA
VIDYAVIHAR UNIVERSITY

Semester: January 2023 – May 2023		
Maximum Marks: 30	Examination: In-Semester Examination	Duration : 1hr 30 min
Programme code: 06	Class: TY	Semester: VI/ (SVU 2020)
Programme: B.Tech. Computer Engineering		
Name of the Constituent College: K. J. Somaiya College of Engineering		Name of the department: COMP
Course Code: 116U01C602	Name of the Course: Information Security	

Question No.		Max. Marks	CO Mapped	BT Level
Q1	Solve any two a) Distinguish between the terms Vulnerability, Threat and Control with suitable examples. b) Do you currently use any computer security control measures? If so, what? Against what attacks are you trying to protect? c) Compare and contrast Symmetric versus Asymmetric encryption.	05 marks each	CO1	RE, UN, AP
Q2	Solve any two a) Discuss buffer overflow problem and its defenses. b) What is malicious software? Discuss various malware detection methods. c) Discuss various countermeasures from the point of view of various stakeholders for software security.	05 marks each	CO2	RE, UN, AN
Q3	Solve any two a) List various browser attack types. Discuss any one method with its countermeasures. b) Discuss how browser attacks succeed? c) Discuss the importance of mutual authentication from the point of information security.	05 marks each	CO3	RE, UN, AN