GALGOTIAS UNIVERSITY

ADMISSION NUMBER

School of Computing Science and Engineering

Bachelor of Technology in Computer Science and Engineering
Semester End Examination - Jul 2024

Duration : 180 Minutes
Max Marks : 100

Sem VI - R1UC607C - Secure Software Engineering

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1)	What are the types of security?	K1(2)
2)	Define software security testing and its importance in ensuring the integrity of software systems.	K2(4)
3)	Explain the role of penetration testing in assessing the security posture of software applications.	K2(6)
4)	What are System Assembly Challenges, and why are they critical in modern software development?	K3(9)
5)	Explain risk management in detail?	K3(9)
6)	What are the implications of failing to address integration challenges for software security?	K5(10)
7)	What are the limitations of existing approaches for addressing security concerns in highly complex systems?	K4(12)
8)	Why is Requirements Engineering important for developing secure software?	K5(15)
9)	Explain the various threats that can create major harm to companies.	K5(15)
10)	Describe the activities involved in the Construction phase of the SQUARE process model.	K6(18)