

K. J. Somaiya Institute of Technology, Sion, Mumbai-22
(Autonomous College Affiliated to University of Mumbai)

May-June 2026		
(B. Tech) Program: Computer Engineering Scheme IIB		
Regular Examination: LY Semester: VIII		
Course Code: CEDLC8033 and Course Name: Secure Application Development		
Date of Exam: 23/5/2026	Duration: 02.5 Hours	Max. Marks: 60

Instructions: (1) All questions are compulsory. (2) Draw neat diagrams wherever applicable. (3) Assume suitable data, if necessary.				
Q. No.	Question	Max. Marks	CO	BT level
Q 1	Solve any two questions out of three: (05 marks each)	10		
a)	Explain different mitigation techniques for protecting stored data.		CO5	U
b)	Explain the purpose of code review.		CO2	U
c)	Explain how CSRF attacks occur.		CO3	U
Q 2	Solve any two questions out of three: (05 marks each)	10		
a)	Explain the concept of permissions in Android.		CO4	U
b)	Explain the principle of least privilege in Android components.		CO5	U
c)	Explain physical adjacency attacks in Android devices		CO6	U
Q.3	Solve any two questions out of three. (10 marks each)	20		
a)	Discuss common threats in modern web applications and suggest suitable defense mechanisms		CO1	U
b)	Describe best practices for secure application architecture and code security.		CO2	U
c)	Discuss responsible disclosure programs and bug bounty programs in detail.		CO3	U
Q.4	Solve any two questions out of three. (10 marks each)	20		
a)	Describe the role of software developers in protecting sensitive data.		CO4	U
b)	Discuss best practices for securing Android intercomponent communication		CO5	U
c)	Describe Google infrastructure security mechanisms in Android		CO6	U