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Date : 25.05.22

K. J. Somaiya Institute of Engineering and Information Technology, Sion, Mumbai-22

(Autonomous College Affiliated to University of Mumbai)

End Semester Exam

April - May 2021-2022

(B. Tech.) Program: Computer Engineering

Examination: LY Semester: VIII

Course Code: 1UCEDLEC8033 and Course Name: Secure Application Development

Duration: 03 Hours

Max. Marks: 60

Instructions:

(1) All questions are compulsory.

(2) Draw neat diagrams wherever applicable.

(3) Assume suitable data, if necessary

		Max. Marks	CO	BT level
Q 1	Solve any six questions out of eight:	12		
i)	Describe Active Reconnaissance and Passive Reconnaissance?	2	CO 1	U
ii)	Draw the Android data storage threat model?	2	CO 5	U
iii)	What is in-house and out-house penetration testing?	2	CO 3	U
iv)	Explain the CIA with respect to security?	2	CO 4	U
v)	How to start a code review?	2	CO 2	U
vi)	Explain the encryption of data?	2	CO 6	U
vii)	How will you analyze the e-commerce application with the help of ZAP?	2	CO 4	Ap
viii)	Explain the Public and private component?	2	CO 5	U
Q.2	Solve any four questions out of six.	16		
i)	How files being isolated in android?	4	CO 4	U
ii)	Explain how you find subdomain with example?	4	CO 1	U
iii)	Explain the attacks associated with Android application components?	4	CO 5	U
iv)	Explain the method 1) getCipherSuite () 2) getServerCertificates ()	4	CO 6	U
v)	How you decide where to start a security review?	4	CO 2	U
vi)	Explain temporal scoring in CVSS?	4	CO 3	U
Q.3	Solve any two questions out of three.	16		
i)	Explain with example android file system isolation?	8	CO 4	U
ii)	Analyze the end point discovery with an example?	8	CO 1	An

iii)	Write notes on 1) Authentication of entities 2) Encryption of data	8	CO 6	U
Q.4	**Solve any two questions out of three.**	16		
i)	How to store data locally in an Android app? Explain?	8	CO 5	U
ii)	Explain the role of CSRF tokens in eliminating cross-site request forgery attacks?	8	CO 3	U
iii)	Compare and contrast the technical vs logical vulnerability for SQL and XSS?	8	CO 2	An