

Standard Template for Academic Tasks (22231)



Academic Task Number: 2

Course code: CAP 791

Date of allotment: 08/09/2022

Course title: Securing Network and IT Infrastructure - Laboratory

Date of submission: 19/09/2022

Maximum Marks: 50

Academic Task Type: Practical

SET A

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q1	A hacker is trying to inject a malicious SQL query in www.dvwa.com and he did that successfully. How can an attacker perform the same? What vulnerabilities can be exposed by an SQL injection attack of www.dvwa.com?	CO2	L4: Analyze	10
Q2	Sakshi creates a phishing page at www.overthewire.org. Explain the complete procedure to perform the same. Find out and explain the vulnerabilities of www.overthewire.org.	CO2	L4: Analyze	10
Q3	Anu has encrypted plain text using Hill cipher. <ul style="list-style-type: none"> • Plain text: SECRET • Key: Hill What cipher text Anu will get for the same? Explain the procedure to decipher the same.	CO3	L3: Apply	10
	Viva			20

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SET B

Question Number	Question Statement	Course Outcome	Bloom's level	Marks per Question
Q1	Avinash wants to insert a malicious script into a web application. What are the possible ways and attacks to do so? Perform any attack of the same on https://www.hackthissite.org/ .	CO2	L4: Analyze	10
Q2	An MCA student wants to know the banking details of his friend. How can he do so? In that case, what necessary precautions his friend can take to make himself safe from this kind of attack?	CO2	L4: Analyze	10
Q3	Aditya has encrypted plain text using the Rail fence cipher. <ul style="list-style-type: none"> • Meet me at the school house • Key: 3 What cipher text Aditya will get for the same? Explain the procedure to decipher the same.	CO3	L3: Apply	10
	Viva			20

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*Note:*

The students shall perform practical in the class.

Appropriate steps and screenshots must be placed in a proper document before submission.