Code No: 157JE **R18**

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
B. Tech IV Year I Semester Examinations, December-2023/January-2024
WEB SECURITY
(Computer Science and Engineering - Artificial Intelligence and Machine Learning)

Time: 3 Hours **Max.Marks:75**

Note: i) Question paper consists of Part A, Part B.
ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.
iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART – A

(25 Marks)

1.a)	What is transposition? Explain.	[2]
b)	Define cryptanalysis. Explain.	[3]
c)	How to disabling cookies?	[2]
d)	Define personal, private, and personally identifiable information.	[3]
e)	What is XML Schema? Explain.	[2]
f)	Write about Trust Management.	[3]
g)	Explain the anomaly detection.	[2]
h)	Explain about integrity constraints.	[3]
i)	Describe Generic Bayesian Privacy.	[2]
j)	What is Extent-Independent Guarantees?	[3]

PART – B

(50 Marks)

2.a)	What do attackers want?	
b)	Write about "Secure Web Server"?	[4+6]
	OR	
3.	Discuss about risk analysis and best practices to minimize or mitigate it.	[10]
4.a)	What's in a web log?	
b)	“Cookies can be used to improve privacy or to weaken it” Discuss.	[4+6]
	OR	
5.	Discuss the strategies for managing multiple usernames and passwords.	[10]
6.a)	What are the features of an access control system ? Explain.	
b)	Elaborate on discretionary access control.	[5+5]
	OR	
7.a)	Discuss about role-based access control.	
b)	Illustrate about the database outsourcing solutions.	[5+5]
8.	Discuss in detail about data and user profiling.	[10]
	OR	
9.	Write in detail about security reconfiguration.	[10]
10.a)	Explain K-Anonymity.	
b)	Explain L-Diversity.	[5+5]
	OR	
11.	Explain in detail about Generalization-Based Publishing.	[10]

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