



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES

End Semester Examination, December 2021

Course: Data and Application Security

Semester : VII

Program: OSSOS, CSIFM, CCVT

Course Code: CSV10

Duration : 03 hrs.

Max. Marks: 100

Instructions:

SECTION A (Scan and upload) (5Qx 4M = 20 Marks)			
Q 1	Differentiate between phishing and denial of service attack.	4	CO1
Q 2	What is the significance of SQL INJECTION?	4	CO2
Q 3	What is the purpose served by data erasure?	4	CO3
Q 4	Enlist measure require to prevent disclosure of confidential data.	4	CO4
Q 5	What is the usage of Man in Middle Attack?	4	CO1
SECTION B (Scan and upload) (4Qx10M = 40 Marks)			
Q 1	Enlist all important steps require for HTTP header manipulation	10	CO4
Q 2	Enlist all implication for the reason of poor key generation and key management technique.	10	CO2
Q 3	Differentiate between dictionary and brute force attack with suitable example.	10	CO1
Q 4	What are all implications of unauthorized access to administrative interfaces?	10	CO3
OR			
Q 4	Explain the implications of lack of individual accountability.	10	CO3
SECTION-C (Scan and upload) (2Qx 20M= 40 Marks)			
Q 1	a) What are all important steps to be covered in auditing and logging? b) Write detail steps for Key generation algorithm for Advanced Encryption Standard.	10+10	CO 3,CO1
Q 2	a) Enlist all steps are require to access sensitive data in storage. b) Explain steps for generating hash code for size 128 MB.	10+10	CO 4,CO2
OR			
Q 2	a) Enlist all steps are require to access sensitive data in storage.	10+10	CO 4,CO2

	b) Explain generation of multiplicative inverse of prime number in the presence of Galois field value.		
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