UNIVERSITY WITH A PURPOSE

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2021

Course: Data and Application Security
Semester : VII
Program: OSSOS, CSIFM, CCVT **Duration : 03 hrs.**
Course Code: CSVT10 **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 galosis field value.		