Name:					
Enrolment No:	rolment No:		UNIVERSITY WITH A PURPOSE		
		ROLEUM AND ENERGY ST xamination, December 2019	FUDIES		
Course:	IT Application and Data Security	<i>,</i>	Semester:	IIIrd	
Program:	B. TECH (CSE) + CSF		Time:	03 hrs.	
Course Code:	CSSF 2005		Max. Marks	: 100	

Instructions: (i) Exam is Close Book, (ii) Exchange of mobile phone, calculator or any other item is not allowed, (iii) Start answers to a new question on frsh page, (iv) All parts of a question should be answered together and (v) Scattered part answers will not be evaluated. **SECTION A**

S. No.		Marks	CO
Q 1	Explain any two ways in which you can perform session hijacking.		CO1
Q 2	List the steps for performing social engineering attack on any organization like Facebook.		CO2
Q 3	What is data leakage? How will you detect and prevent it?		CO3
Q 4	How is cookie different from a session? Explain various attributes of cookies.		CO5
Q 5	Discuss about Secure-SDLC.	4	CO4
	SECTION B	· · · · ·	
Q 6	Compare and contrast the following terms: Audit, Compliance and Non compliance.	10	CO4
Q 7	Give a scenario of following HTTP Response codes:-i.HTTP Status Code - 404ii.HTTP Status Code - 500iii.HTTP Status Code - 302iv.HTTP Status Code - 200	10	CO3 & CO5
Q 8	A database query fetches username and password from the database. Query: SELECT * FROM users WHERE username = "+username+" AND password="+password; Write a payload to inject to perform SQL injection and justify why your payload should work.	10	C01
Q 9	Differentiate between following attacks: Buffer Overflow attack, Insecure deserialization and File Inclusion. Give Examples of each. OR Generate Ciphertext using playfair. Plain text = "I am not in the college" Use key: "monarchy"	10	C02

		SECTION-C		
Q 10	Compute the CVSS 2.0 Base Vector aVulnerabilityAdobe Acrobat and Reader are vulnerchecking when parsing a malformdocument. By persuading a victim tooverflow a buffer and execute arbitrationor cause the application to crash.AttackThe vulnerability is exploited by correstinga malicious document to the victimprivileged, then the code execution atConfidentiality, Integrity, and AvailabUse the values given below:Access VectorLocal (L)0.395Adjacent Network (A)0.646Network (N)1.0Access ComplexityHigh (H)0.35Medium (M)0.61Low (L)0.71	20	CO3 & CO5	
Q11	Write a short note on the following: i. Bluejacking ii. ARP Spoofing iii. Bruteforce attack iv. Dumpster Diving v. Cookie replay attack vi. DNS Cache Poisoning OR Directory listing is not disabled on your server. Attacker discovers she can simply list directories to find any file. Attacker finds and downloads all your compiled Java classes, which she decompiles and reverse engineers to get all your custom code. She then finds a serious access control flaw in your application. i. Which vulnerability is discussed in above scenario? Discuss. ii. How can we prevent it?		20	CO1, CO2 & CO4