


Name:			
Enrolment No:			
UNIVERSITY OF PETROLEUM AND ENERGY STUDIES End Semester Examination, December 2023			
Course: Application Security Program: BCA Course Code: CSSF3020		Semester: 3 Time : 03 hrs. Max. Marks: 100	
Instructions: Instructions: Attempt all questions. Assume any missing data, draw diagrams wherever applicable, provide appropriate examples			
SECTION A (5Q X 4M = 20Marks)			
S. No.		Marks	CO
Q 1	What are various authentication methods?	4	CO1
Q 2	Is there any disadvantage of SSO?	4	CO1
Q 3	Write a short note on digital forensic.	4	CO2
Q 4	Explain behavioral biometrics?	4	CO2
Q 5	Why it is crucial to investigate volatile memory?	4	CO3
SECTION B (4Q X 10M= 40 Marks)			
Q 6	Briefly explain the various access control methods deployed in UPES. Discuss any one IT service module in which you can integrate biometrics authentication.	10	CO1
Q 7	What are various Email security risks? How can be it avoided?	10	CO2
Q 8	What network security methods has been adopted by UPES. Explain in detail.	10	CO3
Q 9	How secure SDLC works? Explain in detail.	10	CO4
OR			
	Comprehend the various authentication and access methods deployed in UPES. Discuss your suggestions to make it more secure.		
SECTION-C (2Q X 20M = 40 Marks)			
Q 10	Review, analyze and explain authentication methods that are implemented in UPESDDN system. Discuss your suggestions to make it more secure.	20	CO3

Q 11	Why Secure SDLC is important and what are the Benefits of Secure SDLC? Explain in detail with suitable example.	20	CO4
	OR		
	Analyze the various ERP application services available in UPES and propose any expected improvement in the present system. Discuss in detail.		