Name: Enrolment No:	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2022

Course   :   Digital Forensic - 1
Semester   :   XI
Program   :   B.Tech. (CSE & LLB – Specialization in Cyber Law)
Time   :   03 Hrs.
Course Code :   CSSF3003   **Max. Marks: 100**

Instructions:

SECTION A
(5Qx4M=20Marks)

S. No.		Marks	CO
Q.1.	Define digital forensic.	4	CO1
Q.2.	What are the challenges in evidence handling.	4	CO1
Q.3.	Explain Live Acquisition?	4	CO1
Q.4.	What is incident and what are the goals of incident response? Describe with example?	4	CO3
Q.5.	Illustrate about the volatile data. How can be obtained from investigation of routers?	4	CO5

SECTION B
(4Qx10M= 40 Marks)

Q.6.	Illustrate how will the processing of incident or a crime scene takes place in cyber forensic.	10	CO4
Q.7.	Explain in detail about the following: (i) Digital Forensic Software Tools (ii) Digital Forensic Hardware Tools	10	CO3
Q.8.	Describe tasks in investigating e-mail crimes and violations.	10	CO2
Q.9.	Briefly explain the role of Windows registry in collecting forensic evidence.	10	CO4

SECTION-C
(2Qx20M=40 Marks)

Q.10.	Explain each of the following: Qualified forensic duplicate, restored image and mirror image.	20	CO4
Q.11.	Analyze the procedures for Corporate High-tech investigations with respect to: (i) Internet Abuse Investigation (ii) Email Abuse Investigation (iii) Media Leak Investigation (iv) Industry Espionage Investigation	20	CO5