


<b>Name:</b> <b>Enrolment No:</b>			
<b>UNIVERSITY OF PETROLEUM AND ENERGY STUDIES</b> <b>End Semester Examination, May 2022</b>			
<b>Course: IT Security</b> <b>Program: MCA</b> <b>Course Code: CSCS7007</b>		<b>Semester: II</b> <b>Time : 03 hrs.</b> <b>Max. Marks: 100</b>	
<b>Instructions:</b>			
<b>SECTION A</b> <b>(5Qx4M=20Marks)</b>			
S. No.		Marks	CO
Q 1	Elaborate XSS attack and how to prevent it?	4	CO1
Q 2	List the Key Benefits of Log Management	4	CO4
Q 3	Explain Phishing and how to prevent it	4	CO2
Q 4	Is SSL protocol enough for network security	4	CO3
Q 5	How can we Develop a Data Privacy & Data Security Plan.	4	CO3
<b>SECTION B</b> <b>(4Qx10M= 40 Marks)</b>			
Q 6	Elaborate the Malware Threats. How can safe gaud our system from malware.	10	CO1
Q 7	How packet sniffer works in Wireshark. Explain the any four functionalities available in the Wireshark.	10	CO2
Q 8	Elaborate on Physical Security controls. Explain the role of Fire and Safety Inspection in physical security.	10	CO3
Q 9	Elaborate operating system security. List and explain mechanism applied in operating system security. <p style="text-align: center;">Or</p> Elaborate Database security threats along with Diagram. List best practices to secure database server.	10	CO3
<b>SECTION-C</b> <b>(2Qx20M=40 Marks)</b>			
Q 10	Design a Frameworks for IT Security Audits. How can we apply a different phase of IT Audits process.	20	CO4

	Or When compliance is necessary in IT Audits. Elaborate on different Data that are subjected to compliance with the applied area		
Q 11	Wireless networks are exposed to various types of security attacks. Classified all in passive or active attacks. Elaborate top five Wireless networks attach.	<b>20</b>	<b>CO1 C02</b>