

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2019

Course: IT Network Security
Program: B. Tech (CSE + CSF)
Course Code: CSIB 442

Semester: VII
Time : 03 hrs.
Max. Marks: 100

Instructions:

SECTION A

S. No.		Marks	CO
Q 1	Explain Broadcast Network, Point-to-Point Network & Multipoint Networks.	4	CO1
Q 2	What is the difference between an Amplifier and a Repeater?	4	CO1
Q 3	Mention at least three types of Physical Security Controls with two examples each.	4	CO2
Q 4	What is Active & Passive OS Fingerprinting?	4	CO4
Q 5	How do attackers perform PING SWEEP attempt?	4	CO3

SECTION B

Q 6	What do you understand by Workplace Security?	10	CO1
Q 7	Explain Intrusions, IDPS and role of IDPS in Network Defense and its components.	10	CO3
Q 8	How does a VPN function? Explain with an example / diagram	10	CO3
Q 9	Illustrate Wireless Network Threats. Mention at least five Wireless Network Security Techniques OR Illustrate the differences between Vulnerability Assessment & Penetration Testing.	10	CO1

SECTION-C

Q 10	Describe Network Vulnerability Assessment along with its Advantages, Phases involved and various Types.	20	CO4
Q 11	What do you understand by Penetration Testing Methodology? Which toolset would you use for Web & Mobile Applications when conducting a Penetration Test? OR Illustrate the Incident Handling & Response process.	20	CO5