LOVELY PROFESSIONAL UNIVERSITY
Academic Task – 2, Set - A

Date: __-10-2022,   Section: _____,Roll No.:_____,   Reg. No.: _____

Q1. Adam, a sales executive, is attending meetings at a convention attended by professionals from various businesses in his industry. He uses a Bluetooth headset and his smartphone at the conference to communicate with clients. A few days after the conference, he discovers that sales representatives from other companies are contacting and influencing his important contacts by disclosing what he believed to be confidential information from his email and calendar. Which wireless threat affects Adam? Elaborate the steps that how wireless threat perform the whole task of infecting?   [10 Marks]

Q2. A) A recent security assessment found that the network architecture of your business is overly centralized. On the same logical area of the network, hosts with wildly dissimilar roles and objectives are placed together. This has in the past made it simple for attackers to compromise substantial portions of network hosts. Elaborate that which method(s) do you propose, and why, will enhance the security of the network's design?   [5 Marks]
  B) Explain Memory leak and Cross Site scripting in detail with examples   [5 Marks]

Q3. Write all the commands to perform SQL injections using sqlmap only.   [5 Marks]
Q4. Write down the following command:-
   a) Write a command to capture first 5 packets on particular interface using TCPdump command line.   (1)
   b) Write a command to capture packets on TCP port using TCPdump command line.   (1)
   c) Write a command to make choplen of 50 packets on wireshark captured data by using wireshark command line tools.   (1.5)
   d) Write a Wireshark command to capture the data from source 192.68.0.2 where tcp port is equal to 80.   (1.5)

LOVELY PROFESSIONAL UNIVERSITY
Academic Task – 2, Set - B

Date: __-10-2022,   Section: _____,Roll No.:_____,   Reg. No.: _____

Q1. John is on a business trip and has been given a laptop for use in the workplace. He switches on his laptop when he gets to his hotel and discovers a wireless access point bearing the name of the establishment, which he connects to in order to send business correspondence. Which wireless menace could he fall victim to? Describe the process through which wireless threats carry out the entire work of infection.   [10Marks]

Q2. A) According to company policy, you must make sure that, in the situation that it is lost or stolen, your smartphone is protected from unauthorized access. What security measure should be utilized to stop someone from accessing data on the device as soon as it is turned on? Elaborate the steps of security measure in detail.   [5 Marks]
  B) Discuss Structured Query Language Injection Attacks and Session Hijacking by taking suitable examples   [5 Marks]

Q3. Use netcat to create – a chatting interface between two windows OS, transfer a file named hello.py between two systems and also write a tcpdump command to capture traffic going towards a particular windows machine   [5 Marks]

Q4. Write down the following command:-
   a) Write a command to print captured packets in ASCII using TPDdump command line.   (1)
   b) Write a command to capture packets on source ip 192.168.0.2 using TCPdump command line.   (1)
   c) Write a command to read an ASCII hexdump data using Wireshark command line tools   (1.5)
   e) Write a Wireshark command to capture the data from destination 192.68.0.2 where tcp port is equal to 80.   (1.5)