School of Computing Science and Engineering
B.TECH CSE with specialization in Cyber Security
Semester End Examination - Nov 2023

Duration : 180 Minutes
Max Marks : 100

Sem VII - CSCN4701 - Computer Security and Forensics

General Instructions
Answer to the specific question asked
Draw neat, labelled diagrams wherever necessary
Approved data hand books are allowed subject to verification by the Invigilator

1) Describe the role of intrusion detection systems in network security. — K1 (2)

2) Describe the steps involved in securing personal information online. — K2 (4)

3) Explain a framework for conducting email investigations in cases involving intellectual property theft. — K2 (6)

4) Identify the economic impact of identity theft on businesses. — K3 (9)

5) Use a mobile forensics tool to extract GPS location data from a smartphone. — K3 (9)

6) Design a data recovery tool to retrieve deleted files from a USB drive. — K5 (10)

7) Analyze the potential implications of working with Windows systems in a forensic investigation. — K4 (12)

8) Once you have collected data from the scene, you return to your forensics lab and it is now time to start your forensic analysis.Determine the parameters you need to know when analyzing dataset for forensic evidense — K5 (15)

9) Evaluate the various framework for Live Acquisition in digital forensics. — K5 (15)

10) Discuss email investigation techniques using a computer forensics software tool. — K6 (18)