Dr. Hemraj Saini

Roll. No:_____

Note: All questions are compulsory. Carrying of mobile phone during examinations will be treated

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Que.1: *[5 Marks; CO3]* Define the blockchain framework. How a blockchain solution for preserving the privacy of vehicles against the tracking attack is to be designed? Provide its comparison to the traditional solution.

Que.2: *[5 Marks; CO3]* What are the limitations in the deployment of jumbo frame sizes beyond 9000 bytes for storage systems which is limited by 32-bit Cyclic Redundancy Checks used by a network protocol? Also, provide the detailed overview of CRC algorithms.

Que.3: *[5 Marks; CO3]* What is firewall? Explain its various types and their advantages and disadvantages in detail.

Que.4: *[5 Marks; CO3]* Explain the Decisional Diffie-Hellman Problem. Provide a signature scheme based on DDH.

Que.5: *[5 Marks; CO3]* Define the following terms:

a. DMZ

b. LEAP

c. Extranets

d. Cross-site Scripting

e. L2TP