### 

### **3413ICT Network Security**

### **Workshop – 11A**

|  |
| --- |
| **Review Questions:**   1. Discuss the different types of Intrusion Detection systems and explain how each of them operates. 2. Explain the advantages of contextual anomaly detection compared with point-anomaly detection. Discuss the challenges of contextual anomaly detection. 3. What are the challenges in enhancing the performance of network anomaly detection systems? 4. What performance metrics are commonly used to quantify the performance of an anomaly detection technique? Explain each of them briefly. 5. List the different types of anomaly detection techniques and briefly explain each of them. 6. The Hamming distance between two points, and,is defined as:     that is, the number of coordinate positions where anddiffer.Given the following data items which are points of the 4-dimensional space, for each pair of data items, calculate the Hamming distance between them: |

**Hands-on Exercises:**

Complete the 5th lab on VPN.