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**Manav Rachna International Institute of Research and Studies**

Faculty of Engineering and Technology

**Department of Computer Science and Engineering**

**Assignment Sheet-1**

**Subject Name: NETWORK SECURITY MANAGEMENT Assignment number: 1**

**Subject Code: BCS-DS-725 Class / Semester: 7th**

**Max. Marks : 10 Time Allowed: 1 week**

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| --- | --- | --- |
| Q.1  Q.2  Q.3  Q.4  Q.5 | Discuss the concept of the play-fair cipher. What is the output of plaintext “Hello”? If the key used is “Monarchy” to encode it  Differentiate between stream cipher and block cipher. Explain the encryption and decryption of ECB mode.  Define authentication and explain why it is required. Explain with the help of suitable example.  Differentiate between substitution cipher and transposition cipher techniques with example.  Explain the different steps involved in the encryption and decryption process of DES. | [CO1][L5]  [CO2][L3]  [CO2][L2]  [CO2][L3]  [CO1][L2] |

**Prepared By: Approved By:**

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