

Introduction to Cyber Security 14IT605
B.Tech.,(Semester- VI) Section A

Date : December 26, 2018 Alternate Assessment Test : I
Duration : 45 mts. Maximum Marks : 30

Set-II (Rno mod 3 == 1)

- I What is the difference between passive and active security threats? **(3 M)**
- II Briefly define categories of security services. **(3 M)**
- III What is the difference between an unconditionally secure cipher and a computationally secure cipher? **(3 M)**
- IV Briefly describe the Caesar cipher. **(3 M)**
- V Briefly describe the monoalphabetic cipher. **(3 M)**
- VI What is the difference between a monoalphabetic cipher and a polyalphabetic cipher? **(3 M)**
- VII Why is it important to study the Feistel cipher? **(3 M)**
- VIII What is the difference between a block cipher and a stream cipher? **(3 M)**
- IX Which parameters and design choices determine the actual algorithm of a Feistel cipher? **(3 M)**
- X What is a singular transformation? Give one example. **(3 M)**

