Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous), Rajkot

Affiliated to Saurashtra University, Rajkot

SEMESTER END EXAMINATION NOVEMBER 2018

B.Sc. Information Technology

16UITCC20 – NETWORK MANAGEMENT & INFORMATION SECURITY

Duration of Exam – 3 hrs   *Semester – V*   *Max. Marks – 70*

Part A *(10X1= 10 marks)*
Answer **ALL** questions

1. Define Routing

2. Define Cipher text

3. Give the full form of: EIGRP

4. What is the range of class B IP Address?

5. Give the full form of: RIP

6. Define Protocol

7. Give the full form of: IGRP

8. Define SSL

9. Define network

10. Give the full form of: BGP

Part B *(5X5= 25 marks)*
Answer **ALL** questions

11a. Explain Super netting in detail with diagram

OR

11b. Explain exterior routing protocol BGP in detail

12a. Explain encryption decryption with diagram

OR

12b. Explain interior routing protocol distance vector routing in detail

13a. Explain IPv4 and IPv6

OR

13b. Explain wiretapping ,port scanner attack

14a. Explain Network infrastructure in detail

OR

14b. Explain firewall

15a. Explain digital certificate

OR

15b. Describe attributes of information security

Answer **ALL** questions

16a. Explain types of cryptography with diagram.

OR

16b. Explain Denial-of Service Attack.

17a. Explain the Class structure of IP Address.

OR

17b. Explain SQL injection with example.

18a. Explain public key management with diagram.

OR

18b. Explain Cryptography with diagram and components.

19a. Explain Digital Signature.

OR

19b. Explain in detail network management.

20a. Explain Subnetting in detail with diagram.

OR

20b. Explain any two network attack.

_____