

Shree Manibhai Virani and Smt. Navalben Virani Science College (Autonomous), Rajkot
Affiliated to Saurashtra University, Rajkot

SEMESTER END EXAMINATION NOVEMBER 2018

Bachelor of Computer Application

16UCACC20 – NETWORK TECHNOLOGY AND ADMINISTRATION

Duration of Exam – 3 hrs

Semester – V

Max. Marks – 70

Part A (10x1= 10 marks)

Answer **ALL** questions

1. Give names of any 3 topologies.
2. What is multicasting?
3. List connectors for fiber optic cables.
4. STP stands for _____
5. TCP/IP is a connectionless protocol. State True/False.
6. Give names of all types of hub.
7. 18.168.5.1 - This IP address belongs to which class?
8. Give full form of ISIS.
9. There are 4 logging levels. State True/False.
10. CIA stands for _____

Part B (5x5= 25 marks)

Answer **ALL** questions

- 11a. Explain ring topology with diagram.

OR

- 11b. Explain print service.

- 12a. Explain microwave.

OR

- 12b. Explain physical layer of OSI model.

- 13a. Explain DSL and ADSL.

OR

- 13b. Explain SMTP in detail.

- 14a. Explain OSPF in brief.

OR

- 14b. Explain subnetting.

- 15a. Write steps to install windows server.

OR

- 15b. How to monitor performance of network?

Part C (5X7= 35 marks)

Answer **ALL** questions

16a. Describe client server in detail.

OR

16b. Discuss database service and security service.

17a. Explain both types of twisted pair cables in detail.

OR

17b. Explain fiber optic cable.

18a. Explain SNMP in detail.

OR

18b. Explain modem with types.

19a. Exterior routing protocol.

OR

19b. Explain class A of IPv4.

20a. Explain firewall in detail.

OR

20b. Explain CIA model in detail with diagram.
