

Note:

- i. Q.1 is compulsory
- ii. Attempt any three questions from remaining five.
- iii. Each question carries 10 marks.

1. Answer any five.

- a. What is structured cabling? 2
- b. What are the different types of operating systems? 2
- c. What is E-governance? 2
- d. Define Information architecture. 2
- e. What are the advantages of WLAN? 2
- f. Write any four top security concerns. 2
- g. Define intranet and explain it. 2

2.

- a. Explain Enterprise Resource Planning and its need. 5
- b. What are the tangible benefits of intranet and extranet? 5

3.

- a. Explain any five OSI layers. 5
- b. Explain web browsers with different examples. 5

4.

- a. Explain the following terms related to IT Measurements. 5
 - i) uptime and downtime
 - ii) Bit error rate
 - iii) Mean time between failure
- b. Write a note on mesh topology and star topology. 5

5.

- a. Write a note on password management system. 5
- b. State different types of cables. Explain fiber optic cable in brief. 5

6. Write short notes on the following: 10

- a. TCP/IP stack
- b. Biometric systems
- c. Service life cycle management
- d. Data Quality Problem
- e. RFID Systems