

N.B. : (1) Question No. one is compulsory.  
(2) Attempt any three from remaining five questions

1. Answer any five.

- a. Define OSI layers. 2
- b. Write a small note on E-business. 2
- c. What is data mining? 2
- d. Define intranet and explain it. 2
- e. Write a note on structured cabling 2
- f. What is data quality problem. 2
- g. What is E-governance framework. 2

2.

- a. Explain open source software with examples. 5
- b. Write a note on mesh topology and star topology. 5

3.

- a. Explain the different types of operating systems. 5
- b. Write a note on password management system. 5

4.

- a. Explain the following terms related to storage. 5
  - i) Online storage
  - ii) Near line storage
  - iii) Offline storage
- b. Write a detailed note on Simple Network Management Protocol (SNMP). 5

5.

- a. Explain Enterprise Resource Planning (ERP) and its need. 5
- b. Explain web browsers with different examples. 5

6. Write a note on following terms related to security Infrastructure 10

- i) RFID Systems.
- ii) Video surveillance
- iii) Biometric systems
- iv) End point security
- v) IP-CCTV