

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
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