

- N.B. :** (1) Question No. 1 is **Compulsory**.  
 (2) Attempt any **three** questions from remaining **five**.  
 (3) Each question carries 10 marks.

1. Attempt any **five**:-

- |     |  |    |
|-----|--|----|
| (a) | What is Ethernet?  | 2  |
| (b) | Which are the different types of operating system?           | 2  |
| (c) | Define and explain intranet.                                 | 2  |
| (d) | State and explain elements of IT infrastructure?             | 2  |
| (e) | What is E-governance?  | 2  |
| (f) | What is Biometric system? Explain it.                        | 2  |
| (g) | Explain in brief Video Surveillance.                         | 2  |
| 2.  | (a) Differentiate between TCP/IP and OSI.                    | 5  |
|     | (b) Write a short note on Cabling infrastructure.            | 5  |
| 3.  | (a) State and Explain network topologies.                    | 5  |
|     | (b) Explain Information Technology Audit in brief.           | 5  |
| 4.  | (a) Explain Simple Network Management Protocol.              | 5  |
|     | (b) Explain World Wide Web.                                  | 5  |
| 5.  | (a) Explain Enterprise resource planning (ERP) and its need. | 5  |
|     | (b) Explain password management system.                      | 5  |
| 6.  | Write short notes on:-                                       | 10 |
|     | (i) Internetworks.   |    |
|     | (ii) Data Mining   |    |
|     | (iii) Web browser  |    |
|     | (iv) Firewall  |    |
|     | (v) CIA triangle   |    |