Duration : 2 Hours   Max. Marks : 80

Instructions :
1. Figures to the right indicate maximum marks
2. Start each new question on a fresh page

Q1. Write a short note on (any 4)   **(4x4 =16 MKS)**
- a. Application of computers in Entertainment
- b. Local data backup
- c. Flash memories
- d. Programming Language and its classification
- e. Hand held operating systems
- f. Ergonomics and its importance

Q2. Write a short note on (any 4)   **(4x4=16 MKS)**
- a. Image types
- b. Internet Live stream
- c. Role of multimedia in Business
- d. Generic trade cycles
- e. Electronic markets
- f. Intellectual Property Rights

Q3. Answer the following questions   (any two)   **(2x6=12 MKS)**
- a. What is E-Governance? What is the main aim of implementing E-governance? Explain any 4 products and services supported by NIC in India.
- b. Define the terms 'Data' and 'Information'. Explain the various qualities that make Information useful for decision making.
- c. What is a binary code? Explain the features of ASCII and Unicode.

Q4. Answer the following questions   (any two)   **(2x6=12 MKS)**
- a. Define the term 'Software'. Discuss the features of System software.
- b. Differentiate between Low level and High Level Languages.
- c. Explain the following concepts (i) Virtual Computing (ii) Multi-boot system

Q5. Answer the following questions   (any two)   **(2x6=12 MKS)**
- a. Explain the role of various elements in a multimedia project.
- b. What is an Electronic payment system? How do you ensure security for your online transactions? Explain.
- c. What is E-retail? Explain the role of a shopping cart on an e-retail site. Discuss the general features provided by an e-retail website.

Q6. Answer the following questions   (any two)   **(2x6=12 MKS)**
- a. What is mobile commerce? Explain the various services available through mobile commerce.
- b. State and explain the ten commandments of computer ethics.
- c. What are the different types of software licenses? Explain the characteristics of each.