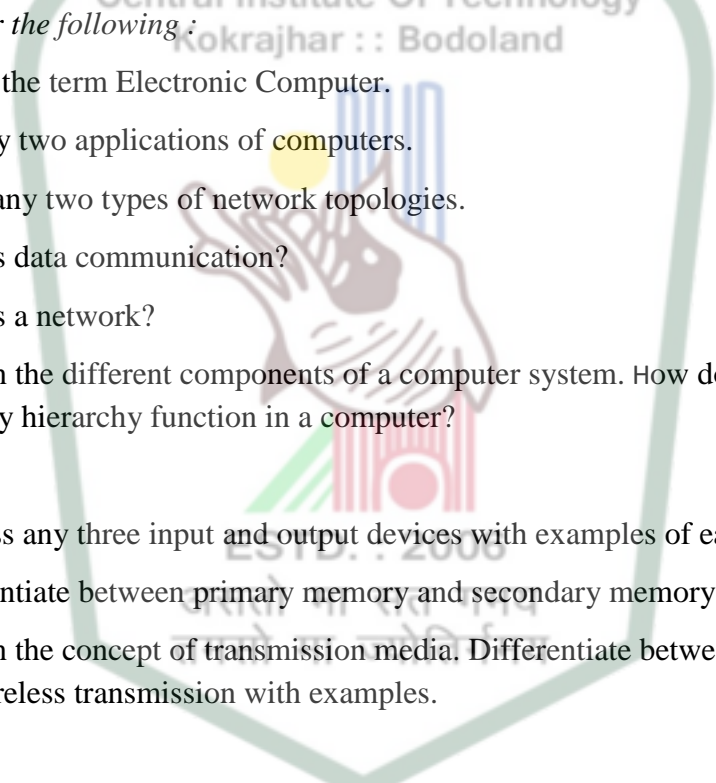# 2024

Fundamentals of Computer Applications

Full Marks: 100

Time: Three hours

The figures in the margin indicate full marks for the questions.

*Answer **any five** questions.*

1. a) *Answer the following :*   5x2=10

    i) Define the term Electronic Computer.

    ii) List any two applications of computers.

    iii) Name any two types of network topologies.

    iv) What is data communication?

    v) What is a network?

    b) Explain the different components of a computer system. How does the   5+5
    memory hierarchy function in a computer?

2. a) Discuss any three input and output devices with examples of each.   6

    b) Differentiate between primary memory and secondary memory.   6

    c) Explain the concept of transmission media. Differentiate between wired   4+4
    and wireless transmission with examples.

3. a) Explain about LAN, WAN, and MAN with examples.   10

    b) What is transmission mode? Write a brief description simplex, half duplex   4+6
    and duplex mode.

4. a) Discuss the impact of the Internet on education and business.   5+5

    c) What is the World Wide Web? Explain the role of web browsers and   4+6
    search engines.

5. a) Discuss about email and its benefits in modern communication. 5+5

   b) Write a short note on Programming Language and their generations. 4+6

6. a) What is e-commerce? Write a note on the benefits and impact of e-commerce. 4+6

   c) What is number system? List the various types of number system. Convert 1244 base 10 to their binary equivalent. 2+4+4

7. Write short notes on the following : 4x5=20

   i) HTML

   ii) Website

   iii) HTTP

   iv) Internet