Roll no.................................

Name of the Course and semester: B.Com (H) 1ˢᵗ semester
Name of the Paper: Fundamentals of Computer
Paper Code: BCH 105

Time: 1.5-hour   Maximum Marks: 50

Note:
(i)   Answer all the questions by choosing any one of the sub questions
(ii)   Each question carries 10 marks.
(iii) Please specify COs against each question.

Q1.   (10 Marks)
a. Explain the block structure of a computer and how its components interact. (CO1)
                                OR
b. Describe the characteristics of a computer that differentiate it from other devices. (CO2)

Q2.   (10 Marks)
a. Summarize the advantages and limitations of computers in day-to-day activities. (CO1)
                                OR
b. Differentiate between various types of computers (e.g., desktop, laptop, mainframe, supercomputer). (CO2)

Q3.   (10 Marks)
a. Explain the differences between an interpreter, a compiler, and an assembler. (CO1)
                                OR
b. Summarize the functions of an operating system in managing system resources. (CO2)

Q4.   (10 Marks)
a. Identify the importance of a translator in converting high-level code into machine language. (CO1)
                                OR
b. Discuss how the operating system supports communication between the user and hardware (CO2)

Q5.   (10 Marks)
a. Explain why an efficient information system is essential for an organization. (CO1)
                                OR
b. Describe the differences between a traditional file environment and a database system. (CO2)