

BACHELOR OF TECHNOLOGY (CBCS - 2023)
B. Tech. Sem-I Computer Science & Business Systems : WINTER : 2024
SUBJECT: FUNDAMENTALS OF COMPUTER SCIENCE

Day : Friday
Date : 06/12/2024

W-27623-2024

Time : 10:00 AM-01:00 PM
Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Assume suitable data **WHEREVER** necessary.
- 4) Draw neat labeled diagrams **WHEREVER** necessary.
- 5) Use of IS800, IS875, Steel Table and Calculator is **allowed**.

Q.1 Explain problem solving steps. Explain each step with example. (10)

OR

Q.1 Explain the formatted I/O functions with example. (10)

Q.2 Describe the basic data types in C. (10)

OR

Q.2 Explain all looping statement used in 'C' with syntax and example. (10)

Q.3 Explain the various categories of user defined functions in C with examples? (10)

OR

Q.3 Differentiate actual parameters and formal parameters with example also give difference between them. (10)

Q.4 What is an array of pointer? How it can be declared and initialize? Explain with an example. (10)

OR

Q.4 What is pointer? Explain how to access the address of a variable. Write a 'C' function using pointers To exchange the values stored in two locations in the memory. (10)

Q.5 Explain array of structure with example. (10)

OR

Q.5 Write about the basic operations on files. (10)

Q.6 Write a low level file copy program that uses the buffer. (10)

OR

Q.6 Explain Lseek and Fseek with example. (10)
