



KARNATAKA STATE OPEN UNIVERSITY

Mukthagangothri MYSORE-570006.

DEPARTMENT OF STUDIES IN INFORMATION TECHNOLOGY

BSc in Information Technology

Instructions:

NOTE: You are required to read the following instructions carefully before you answer.

1. Write the *Roll Number, Name and Title of the course* at the beginning of your answer of each subject.
2. You should answer *all Questions* under each paper.
3. Assignments without **Roll No. and Name** will be rejected.
4. You should write the assignment separately with regard to each course. Use A4 size sheets to write the assignments and make it soft binding or use stick files for each course. Put the assignments in a cover and send it to the address given below.
5. Your assignment should reach to:

Chairperson,
Department of Studies in Information Technology,
Karnataka State Open University,
Mukthagangothri,
Mysore-570 006.

6. **Assignments should reach us on or before 30th May 2022.**

The assignments received after the last date will be summarily rejected. No further extension is allowed. Also browse the website www.ksoumysore.edu.in for further details. Timetable for contact program will be hosted shortly.

7. Assignment sent to any other address of the University will not be valued.
8. The students are **advised to keep a copy of the assignments** with them & submit it in case the University demands the same.

**B.Sc in Information Technology
I Semester**

Note: Answer all the questions

BITDSC-1 Fundamentals of IT and Digital Electronics

1. Write a note on Primary Memory and Secondary storage devices.
2. What is a logic gate? Explain fundamental logic gates with their truth tables.

Fundamentals of IT and Digital Electronics Lab

1. Implement a half-adder full-adder circuit using NAND gates only.

BITDSC-2 Problem Solving Techniques using C Programming

1. Briefly explain the classification of Console I/O functions.
2. Distinguish call by value and call by reference with programming examples.

Problem Solving Techniques using C Programming Lab

1. C program to read and print employee's record using structure.
