

First Semester FYUGP Degree Examination November 2024
KU1DSCCSY101 - FUNDAMENTALS OF COMPUTERS
AND COMPUTER SECURITY
2024 Admission onwards

Time : 1.5 hours

Maximum Marks : 50

Section A

Answer any 6 questions. Each carry 2 marks.

1. What is a register?
2. Convert $(64)_8$ to binary.
3. Define OR gate.
4. What is ASCII?
5. What is multitasking operating system?
6. What is the function of system software?
7. What is the Linux command to add a new user?
8. Define computer security.

Section B

Answer any 4 questions. Each carry 6 marks.

9. Distinguish between hardware and software.
10. What is 2's complement of a binary number?
11. Explain the working of XOR gate with truth table.
12. Compare compiler and interpreter.
13. Explain the use of useradd and passwd commands in Linux.
14. Explain packet sniffing.

Section C

Answer any 1 questions. Each carry 14 marks.

15. Explain different types of malicious software.
16. Draw the block diagram of a computer. Explain various blocks.