

Department of Computer Science
1MSC-CSA Digital Logic and Computer Architecture

CIA-1 (25 Marks)
6-09-2020 (3PM to 4PM)

Consider last four digit of your register number is a integer part and last two digit is a fraction part as a given decimal number. For example if your register number is 2047001, consider 7001.01 as a given number.

Do the following conversion.

Any 4 (4 X4=16)

Decimal to Binary

Decimal to Octal

Decimal to Hexadecimal

Binary to Decimal

Octal to Decimal

Hexadecimal to Decimal

All (4 X 1=4)

Octal to Binary

Hexadecimal to Binary

Binary to Octal

Binary to Hexadecimal

Do the following Arithmetic

$101001_2 / 11_2 = ??$ **(1.5M)**

$1001 \times 1111 = ??$ **(1.5M)**

9's Complement of 678 = ?? **(1M)**

2's Complement of $1001001001_2 = ??$ **(1M)**