University of Information Technology & Sciences (UITS)

Faculty of Science and Engineering

Department of CSE

Program: B.Sc. in CSE

Mid Term Examination, Autumn 2023

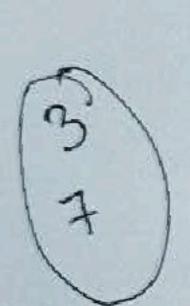
Course Title: Structured Programming Language

Course Code: CSE 111

Marks: 20

(Answer all questions)

[Out of the Content of the Colleging program and Explain the unary operators. [04]



a) Find the output of the following program and Explain the unary operators. [04]

{
 int x, a; //Here a = the last digit of your ID.
 x= a-+ a++ + -a;
 printf("%d",a);
 printf("%d",x);
}

b) Is there any difference between the following two statements? If any, [02]

explain. Statement 1: a=a+bStatement 2: a+=b -1 -1 -1+-1 -1+-1

- c) Develop a C program that takes two inputs (x and n) from the user, [04] calculates xⁿ and stores the result in variable P.
- 2. a) Suppose X=4 and Y=7, describe the working procedures of the operators [04] '&&' and '&' used in the following statements and find the result of the operations.

 Oloo

 A=X && Y

int main
{

Int num;

printf("Enter a number: ")

scanf("%d",num);

if (num%2 = 0)
{

printf("%d is even number.\n",number);

} exp?exp:exp

else {
printf (odd number); }
return 0;

c) With an example briefly describe the ternary operator.

[02]

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