

KUC Group

Academic Task No. 1

Name of the faculty member:
Course Code: **CSE202**
Program: **B-Tech**
Max. Marks: **30**
Date of Allotment: **27/02/2021**

Course Title: **Object Oriented Programming**
Term: **120212**
Is Rubric Applicable: **NA**
Date of Submission: **06/03/2021**

Important Guidelines:

1. All questions in this Academic Task are compulsory.
2. It is mandatory to attempt all questions of the assignment in your own handwriting on A4 size sheets/pages with a blue colour ink pen. Any other mode of attempt (typed or printed codes or table) except hand written/drawn will not be accepted/considered as valid submission(s) under any circumstances.
3. Every attempted sheet/page should carry clear details of student such as Name, Registration number, Roll number, Question number and Page number. The page numbers should be written clearly on the bottom of every attempted sheet in a prescribed format as: for page 1; Page 1 of 4, for page 2; Page 2 of 4, for page 3; Page 3 of 4 and for page 4; Page 4 of 4, in case your assignment/document is of 4 pages.
4. After attempting the answer(s), student needs to take photograph of each of these answer sheets/pages and needs to convert the **jpeg** format images into a **single pdf format document** (can be done with many free online available converters).
5. This PDF file should be uploaded onto the UMS interface on or before the last date of the submission.
6. Refrain from indulging into plagiarism as copy cases will be marked zero.

Choose the correct option

10 mark

- 1) Which of the following is the default return value of functions in C++?
 - a) int
 - b) char
 - c) float
 - d) void
- 2.) Which of the following statements is true?
 - a) Recursion is always better than iteration.
 - b) Recursion uses more memory compared to iteration.
 - c) Recursion uses less memory compared to iteration.
 - d) Iteration is always better and simpler than recursion.

```

3) #include <iostream>
   using namespace std;
   int main()
   {
       char *ptr;
       char Str[] =
       "abcdefg"; ptr =
       Str;
       ptr += 5;
       cout
       << ptr;
       return
       0;
   }

```

- a) fg
- b) cdef
- c) defg
- d) abcdabcd

```

4) #include <iostream>
   using namespace std;

   int main()
   {
       int a = 32, *ptr =
       &a; char ch = 'A',
       &cho = ch;

       cho += a;
       *ptr += ch;
       cout << a << ", " << ch <<
       endl; return 0;
   }

```

- a. 32, A
- b. 32, a
- c. 129, a
- d. 129, A

```
5) #include <iostream>
using namespace std; int
main()
{
    int arr[] = { 4, 5,
    6, 7 }; int* p =
    (arr + 1);
    cout << *arr + 10;
    return 0;
}
```

- a. 12
- b. 15
- c. 14
- d. error

Short answer type question?

10 marks

1. Explain null, void, wild and pointer to pointer?
2. What do you understand by static data member and static member function?

Long answer Type question.

10 marks

1. What do you understand by function overloading explain with code?
2. Write a program that takes your full name as input and displays the abbreviations of the first and middle names except the last name which is displayed as it is. For example, if your name is Robert Brett Roser, then the output should be R.B.Roser.