

Student Name:

Student ID:

Question 1: Multiple Choice(10 Marks)

1. Which of the following is correct regarding constructor?

- [A] class name and constructor name is same
- [B] constructor does not return value
- [C] constructor has return type
- [D] Both A and B are correct.
- [E] All are correct.

2. Which of the following is return type?

- A] void [B] int [C] double
- [D] Both B and C are correct.
- [E] A,B and C are correct.

3. Which of the following is a properly defined structure?

- [A] struct {int a;}
- [B] struct a_struct {int a;}
- [C] struct a_struct int a;
- [D] struct a_struct {int a;};

4. What is the output of the following code?

```
#include <iostream>
using namespace std;
int main()
{
int num[]={12,23,45,56,78};
cout<<num[3]+num[4];
return 0;
}
```

- [A] 35 [B] 134 [C] 68 [D] 101

5. Which of the following correctly declares an array?

- [A] int array[10];
- [B] int array;
- [C] array{10};
- [D] array array[10];

6. What does your class can hold?

- [A] data [B] functions [C] both a & b
- [D] none of the mentioned

7. Which is used to define the member of a class externally?

- [A] : [B] :: [C] # [D] none of the mentioned

8. Which of the following is a valid class declaration?

- [A] class A { int x; };
- [B] class B { }
- [C] public class A { }
- [D] object A { int x; };

9. What is the output of this program?

```
#include
using namespace std;
int main()
{
int a;
a = 5 + 3 * 5;
cout << a;
return 0;
}
```

- [A] 35
- [B] 20
- [C] 25
- [D] 30

10. What is the index number of the last element of an array with 9 elements?

- a) 9
- b) 8
- c) 0
- d) Programmer-defined

Question :2 (10 Marks)

Question: 2(a) (2 Marks)

Create an integer array "Nums" of size 5.

```
int Nums[5];
```

Question: 2(b) (3 Marks)

Put the values 5, 1, 3, 7, 9 in the array "Nums".

```
int Nums[5] = {5, 1, 3, 7, 9};
```

Question: 2(c) (5 Marks)

Find the sum of all the numbers in "Nums" using a for loop. The loop should print 25.

Student Name:

Student ID:

Question 3: (5 Marks)

Write the c++ program to input a four input using arrays and check if the value of each input is greater than 60. If it is greater than passed else failed?

Output :

45 60 100 55

**The student in position 0 is failed
The student in position 1 is passed
The student in position 2 is Passed
The student in position 3 is failed**

Question 4: (10 Marks)

Write a c++ program to create a class Student with student id, studentname, grade as attributes and create constructor, constructor with parameters and display method.

Question 5: (5 Marks)

**Write two function one input and other output
In c++ programming taking studentid and
studentname
void input();
void output();**

Output:

**Enter the studentid: 123
Enter the studentname: Mohammed
The student id is : 123
The student name is Mohammed**