king Saud University

College of Computer and
Information Sciences

Computer science department

Midterm 2 Spring 2017

Cs201-Programming in C++

20 Marks

Student Name: Student ID:

A. Multiple Choice(5 Marks)

1. Which of the following will return a value?
A] void
[B] int
[C] double
[D] Both B and C are incorrect.
[E] All are correct.

2. What is the output of the following Program?
#include <iostream>
#include<cmath>
using namespace std;
int main()
{
** int x=5,y;**

**   y=sqrt(x);**
**   cout<<y;**
}
A] 2.5
[B] 5
[C] 2
[D] No Answer

3. What are mandatory parts in function declaration?
**   [A] return type,function name**
**   [B] return type,function name,parameters**
**   [C] both a and b**
**   [D]none of the mentioned**

4. Where does the execution of the program starts?
**   [A] user-defined function**
**   [B] main function**
**   [C] void function**
**   [D] none of the mentioned**

5. What is the output of the following code?

#include<iostream>
main(){
char   x='b';
switch(x)
{
case 'a':

cout<<"case a"<<endl;break;
case 'b':
**   cout<<"case b"<<endl;break;**
**   default:**
**   cout<<"wrong input"<<endl;**
** }   return 0;   }**

 [A] case a   [B] case b   [C] case a case b
[D] wrong input

B. True or False(5 Marks)

1. Functions cannot return more than one value at a time
  A.   **True**
  B.   **False**

2. Function can be reused in the code?

A. True

B. False

3. In C++,   x++ is equivalent to x = x + 2;

A. True

B. False

4. Struct is the key word to declare the structure.

A. True

B. False

5. Structures cannot be called in other structures

A. True

B. False

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C. Questions   **(Marks 10)**

                            (5 Marks)
**1. Write a Function in C++ to add, subtract, multiply
and divide?**

void add();
int subtract();
int multiply(int,int);
void divide(int,int);

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(5 Marks)
**2. Write a c++ program to create a StudentRecord
using structure and give student id and grades.
Create two object and give the two id and grades?**

Output:

The Student name is Mohammed
The grade is   2000
The Student name is Ahmed
The grade is   1100