

Quiz # 5**Question#1****5+5 marks**

Consider the following codes and Write down the output/errors of the given code segments:

Code Snippets	Output 1
<pre> 1. #include<iostream> using namespace std; class Test { public: int i; double d; public: Test() { i = 10; d = 1.9; cout << "T()" << endl; } Test(int k) { i = k; cout << "T(i)" << endl;; } Test(int k, double r) { i = k; cout << "T(i,d)" << endl;; } Test(const Test & ref) { i = ref.i; d = ref.d; cout << "T(ref)" << endl;; } ~Test() { cout << "value of i is: " << i << " "; cout << "~T()" << endl; } }; int main() { 1. Test t1; 2. Test t2 = 5; 3. Test t3 = Test(10); 4. Test t4 = (Test)99; 5. Test t6 = t4; 6. Test *tPtr = new Test[2]{ Test(1,1.2),6 }; 7. Delete [] tPtr; 8. return 0; } </pre>	

Name=_____

Rollnumber=_____

Quiz # 5**2.**

What is the output of the same code give above if we insert **explicit** keyword before each constructor?
 [If there is/are any error/s properly write down the line number which makes trouble and why.]

Output 2**Question # 2****[10 marks]**

Book
CString title CString * authors int numberOfAuthors CString publisher CString ISBN double price int numberOfCopies
//provide functionalities

Member
CSting name int memberID int numberOfBooksBought double totalAmountSpent.
//provide functionalities

BookStore
Book *books int noOfBooks Member *members int noOfMembers
//provide functionalities

Consider the above scenario *[give in afternoon section Lab 6]*, write down the definition of the following function of BookStore class;

```
bool BookStore::insertBook(Book b, int index);
```

//this function will insert given **Book b** in available books of BookStore at index postion, if book is inserted it will return true otherwise false.

[You can use all other functions of Book and CString class]