## **CS-1004 OOP (CS - A&B)**

Time = 25 minutes

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Name:		 		
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Quiz # 3 [25 marks]

- 1. Which of the following is FALSE about classes?
  - a. A class is defined using class Keyword.
  - b. Have a body delineated with braces {}.
  - c. Public and Private data can be accessed anywhere in code.
  - d. Default mode is private.
- 2. If a member function of a class is defined outside the class \_\_\_\_\_\_ operator is needed.
  - a. :
  - b. .
  - c. ::
  - d. <
- 3. Which of the following statement is **FALSE** about constructor of a class?
  - a. Initialize class members
  - b. Same name as the class
  - c. Can be called explicitly
  - d. No return type
- 4. What is output of following codes

b. int\* mystery(int\* p){

```
a. char str[] = "What an interesting world we live in!";
    char * ptr = &str;
    cout<<"1:"<<ptr[5]<<endl;
    cout<<"2:"<<*ptr<<endl;
    cout<<"3:"<<++ptr<<endl;
    cout<<"4:"<<++(*str)<<endl;
    cout<<"5:"<<str + 5<<endl;
</pre>
```

5. In this question, you are required to implement the DrawPattern function recursively. There will be no marks if the code contains any loop(s). The function should draw a V-shaped pattern for any given value of N.

For N=4, the pattern should be:	For N = 5, the pattern should be:		
xx	xx		
.xx.	.xx.		
xx.	xx		
x.x	xx		