

KATHMANDU UNIVERSITY
End Semester Examination
August, 2018

Marks scored:

Level : B.E./B.Sc./B. Tech.
Year : I

Course : COMP 116
Semester: II

Exam Roll No. :

Time: 30 mins.

F. M. : 10

Registration No.:

Date **AUG 23 2018**

SECTION "A"
[20 Q. × 0.5 = 10 marks]

Encircle the most appropriate answer.

1. What is output of following section of code:

```
#include<iostream>
using namespace std;
int fun(int x , int y = 0, int z=5)
{ return (x + y + z); }
int main()
{
    cout << fun(5);
    return 0;
}
```

a. 0 b. 5 c. 10 d. Compiler Error
2. Which of the objects call same constructor from the following object declaration?
point p1=3,p2(5),p3(p1),p4;
a. p4 and p2 b. p4 and p1 c. p3 and p2 d. p1 and p2
3. Operator overloading using friend function takes _____ than using member function.
a. One lesser argument b. One more argument
c. Same number of argument d. Two more arguments with reference
4. A member function can always access the data _____.
a. in the object of which it is a member
b. in the class of which it is a member
c. in any object of the class of which it is a member
d. in the public part of its class
5. How can a static data member "show" of a class B be accessed from main function where A is an object of class B?
a. B::show() b. B::show c. A::show() d. A::show
6. Function overloading is an example of
a. Inheritance b. dynamic polymorphism
c. static polymorphism d. Function overriding
7. If class A is inheriting class B in a way, Class A: B
a. Protected members of B becomes private members of A
b. All members of B becomes protected members of A
c. Public members of B becomes protected members of A
d. Private members of A becomes public members of B

8. Which of the following operator cannot be overloaded?
 - a. bitwise operator
 - b. relational operator
 - c. conditional operator
 - d. preprocessor operator

9. Destructor are those function which
 - a. Get called when object are destroyed.
 - b. Get automatically called when object contents are updated.
 - c. Get automatically called when object are out of scope.
 - d. Get called when memory space for object is deallocated.

10. Copy constructor may not work properly when object is passed by value and its data member contents
 - a. Array
 - b. Numerical values
 - c. Structure
 - d. Pointer reference

11. The way of defining a function member function outside the declaration of class template is
 - a. `template<A>`
`A class_Name<A>::function_name()`
 - b. `template<A>`
`<A> class_Name A::function_name()`
 - c. `template<A>`
`A class_Name<A>:function_name()`
 - d. `template<A>`
`A class_Name::function_name()`

12. The catch statement to catch a string thrown from the try block is
 - a. `catch(char s[])`
 - b. `catch(string s)`
 - c. `catch(char const *s)`
 - d. `catch (...)`

13. The default access modifier of data members of structure in C++ is
 - a. Public
 - b. Private
 - c. Protected
 - d. Restricted

14. What is the composition in OOP?
 - a. Object inside object
 - b. Class inside class
 - c. Object as member of a class
 - d. Class as member of object

15. The function call is fixed before the program gets executed is called as
 - a. Dynamic linkage
 - b. Late binding
 - c. Static linkage
 - d. Run time binding

16. Virtual function is used in OOP to
 - a. Achieve function overloading
 - b. Static linkage
 - c. Achieve compile time polymorphism
 - d. Run time polymorphism

17. C++ emphasis on rather than
 - a. function, data
 - b. data, function
 - c. function, loop
 - d. function, array

AUG 23 2018

18. In C++, Inheritance exhibits
- a. Has-A Relationship
 - b. Is-A Relationship
 - c. Association Relationship
 - d. Composition relationship
19. Exceptions in OOP are
- a. Syntax errors
 - b. Runtime anomalies
 - c. Logical errors
 - d. Compile time errors
20. _____ is a member function that is declared within a base class and redefined by derived class.
- a. Friend function
 - b. Const member function
 - c. Virtual function
 - d. Static function

