Duration : 60 Min.
Total Ques. : 50
Paper Type : I 1

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GLOBAL COMPETITION SOCIETY

12
CLASS

SAMPLE Q.P : GLOBAL INFORMATICS OLYMPIAD (GIO)

Student's Name...

Enrollment Number :

--------Signature of Exam Incharge--------- ----------Signature of Student's----------

1. The Actual Question Paper Contains 50 Questions.
2. Each question carry an equal marks of 2 against 50 question
3. The Duration of the Test Paper is 60 Minutes

1. **Two tables can be linked with relationship so that the data integrity can be enforced. Where can you find Relationship Command?**
   (A) Home Tab
   (B) Create Tab
   (B) External Data Tab
   (D) Database Tab
   (E) None of these

2. **Which of the following term is used for a function defined inside a class?**
   (A) Member Variable
   (B) Member function
   (C) Class function
   (D) Classic function
   (E) None of these

3. **Which one of these lists contains only Java programming language keywords?**
   (A) class, if, void, long, Int, continue
   (B) goto, instance of, native, finally, default, throws
   (C) try, virtual, throw, final, volatile, transient
   (D) byte, break, assert, switch, include
   (E) None of these

4. What is the output of this program?
```
#include <iostream>
using namespace std;
int main()
{
    int a;
    a = 5 + 3 * 5;
    cout << a;
    return 0;
}
```
   (A) 35   (B) 20
   (C) 25   (D) 30
   (E) None of these

5. **What is the use of dynamic_cast operator?**
   (A) it converts virtual base class to derived class
   (B) it converts virtual base object to derived objects
   (C) it will convert the operator based on precedence
   (D) it will convert the operator based on interface
   (E) None of these

6. **Which statement is true about a static nested class?**
   (A) You must have a reference to an instance of the enclosing class in order to instantiate it.
   (B) It does not have access to non static members of the enclosing class.
   (C) It's variables and methods must be static.
   (D) It must extend the enclosing class.
   (E) None of these

7. What is the output of this program?
```
#include <iostream>
using namespace std;
main()
{
  double a = 21.09399;
  float b = 10.20;
  int c ,d;
  c = (int) a;
  d = (int) b;
  cout << c <<' '<< d;
  return 0;
 }
```
(A) 20 10 (B) 10 21
(C) 21 10 (D) 11 22
(E) None of these

8. Which of the following is not a type of relationship that can be applied in Access database ?
(A) One to One
(B) One to Many
(C) Many to Many
(D) All of above can be applied
(E) None of these

9. Which of the following statement is incorrect?
(A) A default argument is checked for type at the time of declaration and evaluated at the time of call.
(B) We can provide a default value to a particular argument in the middle of an argument list.
(C) We cannot provide a default value to a particular argument in the middle of an argument list.
(D). Default arguments are useful in situations where some arguments always have the same value.
(E) None of these

10. Which of the following data integrity constraint ensures that no duplicate rows exists in a table ?
(A) User- defined (B) Referential
(C) Entity (D) Entry
(E) None of these

11. In C++, exp() and pow() function belongs to ____.
(A) <math.h> (B) <ctype.h>
(C) <stdio.h> (D) <string. h>
(E) None of these

12. In _____, with a hosting plan with website hosting company, one's web site domain is hosted on the web server of hosting company along with other websites.
(A) Free Hosting (B) Shared Hosting
(C) Dedicated Hosting (D) Co-locating Hosting
(E) None of these

13. In relational database, _____ is known as a set of possible values for the given attribute.
(A) Structure (B) Domain
(C) Degree or Relations (D) Cardinality
(E) None of these

14. _____ is a device that will only send a message to the device that needs or requests it, rather than broadcasting it to all devices.
(A) Router (B) Hub
(C) Switch (D) Bridge
(E) None of these

15. In DBMS, which of the following is NOT a DML command ?
(A) Select (B) Insert
(C) Create (D) Delete
(E) None of these

16. Which of the following options will open 'Resource Monitor' window in Windows 7 ?
(A) Start ⟶ All Programs ⟶ Ease of Access ⟶ Monitor
(B) Start ⟶ All Programs ⟶ Accessories ⟶ Resource
(C) Start ⟶ All Programs ⟶ Accessories ⟶ System Tools ⟶ Resource Monitor
(D) Start ⟶ tools ⟶ Monitoring ⟶ Resource Monitor
(E) None of these

17. What will be the output of the given C++ program ?
```
#include<iostream.h>
int main()
{
int x = 10;
float y =10. 1 ;
chaut << "x =" <<x<<endl;
cout<<"z =" <<y<< endl;
cout<<"y =" <<z<< endl;
return O;
}
```
(A) x = 10   (B) x = 10
     z = 10.1   z = a
     y = a   y = 10.1
(C) x = a   (D) x = 10.1
     z = 10   z = 10
     y = 10.1   y = a
(E) None of these

18. Which of the following function (s) is/are used for console input and output in C++ ?
(A) Put ( ) (B) get line ( )
(C) write( ) (D) All of these
(E) None of these