**Global Group of Institutions**

**Demo Question Paper – Set – III**

**Subject – Object Oriented Programming with C++**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Questions Lists - Classes & Objects** | **Options** |
| 1. | Which of the following is not correct for virtual function in C++?  A. Virtual function can be static.  B. Virtual function should be accessed using pointers  C. Virtual function is defined in base class  D. Must be declared in public section of class | A |
| 2. | How can we make a class abstract?  A. By declaring it abstract using the static keyword  B. By declaring it abstract using the virtual keyword.  C. By making at least one-member function as pure virtual function  D. By making all member functions constant | C |
| 3. | How many specifiers are present in access specifiers in class?  A. 2  B. 1  C. 4  D. 3 | D |
| 4. | Which of these following members are not accessed by using direct member access operator?  A. Public  B. Private  C. Protected  D. Both B & C | D |
| 5. | Which other keywords are also used to declare the class other than class?  A. Struct  B. Union  C. Object  D. Both struct & union | D |
| 6. | Which of the following is true?  A. All objects of a class share all data members of class  B. Objects of a class do not share non-static members. Every object has its own copy  C. Objects of a class do not share codes of non-static methods, they have their own copy  D. None of these | B |
| 7. | Which of the following can be overloaded?  A. Object B. Operators  C. Both A & B D. None of the above | C |

|  |  |  |
| --- | --- | --- |
| 8. | Which is also called as abstract class?  A. Virtual function  B. Derived class  C. Pure virtual function  D. None of the mentioned | C |
| 9. | **What will be the output of the following program?**  **#include<iostream.h>**  **using namespace std;**  **class LFC**  **{**  **static int x;**  **public:**  **static void Set(int xx)**  **{**  **x = xx;**  **}**  **void Display()**  **{**  **cout<< x ;**  **}**  **};**  **int LFC::x = 0;**  **int main()**  **{**  **LFC::Set(33);**  **LFC::Display();**  **return 0;**  **}**  A. The program will print the output 0.  B. The program will print the output 33.  C. The program will print the output Garbage.  D. The program will report compile time error. | D |

|  |  |  |
| --- | --- | --- |
| 10. | What will be the output of the following program?  **Note: Includes all required header files**  **class course**  **{**  **int x, y;**  **public:**  **course(int xx)**  **{**  **x = ++xx;**  **}**  **void Display()**  **{**  **cout<< --x << " ";**  **}**  **};**  **int main()**  **{**  **course obj(20);**  **obj.Display();**  **int \*p = (int\*)&obj ;**  **\*p = 5;**  **obj.Display();**  **return 0;**  **}**  A. 20 4  B. 21 4  C. 20 5  D. 21 5 | A |

======================================================