CPP Practice Question Set 8

Q1- Which of the following is not a valid array declaration in C++?
A) int array[10];
B) int array[];
C) int array[10] = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10};
D) int array[10] = {0};

Q2- What is the output of the following code?

```cpp
int a = 10;
int b = 20;
int *p = &a;
*p = b;
int &r = *p;
r = 30;
cout << a << " " << b << endl;
```

A) 10 20
B) 20 30
C) 30 20
D) 10 30

Q3- Which of the following is not a valid type of inheritance in C++?
A) Single inheritance
B) Multiple inheritance
C) Multilevel inheritance
D) Hierarchical inheritance
E) Hybrid inheritance

Q4 - What is the output of the following code?

```cpp
int x = 5;
int *p = &x;
int **q = &p;
int ***r = &q;
cout << ***r << endl;
```

Q5 - Tell the Output of the below question

```cpp
#include<iostream>

using namespace std;
int N = 10;

int main()
{
  static int x = 1;
  if (cout << x << " " && x++ < N && main())
  { }
  return 0;
}
```

Q6- Tell the output of the below question

```cpp
#include <iostream>
using namespace std;

int main()
{
  int x = 10;
  int y = 10;

  if (!(x ^ y))
    cout << " x is equal to y ";
  else
    cout << " x is not equal to y ";

  return 0;
}
```

Q7 - What would be the output?

```cpp
int* myfun(){
    int x=10;
    return &x;
}
main()
{
  int *p= myfun();
  cout<<*p<<endl;
}
```

Q8- Output?

```cpp
#include <iostream>

int main() {
    int i = 5;
    std::cout << i++ << ++i << i << std::endl;
    return 0;
}
```

Q9- What is the size of pointers in CPP?

Q10- What is the output of the below code?

```cpp
#include<iostream>

int main()
{
    std::cout << "\"geeksforgeeks\"";
    return 0;
}
```