**National University of Computer and Emerging Sciences**

Fast School of Computing Spring 2023

**CS-1004 OOP (CS - H) Quiz # 1- b [10 marks]**

Time = 15 minutes Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Roll No: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**For the Given codes, provide the output :**

| Code Snippets | Output |
| --- | --- |
| #include<iostream>  using namespace std;  int main()  {  int \*\*\*r, \*\*q, \*p, i=8;  p = &i;  (\*p)++;  q = &p;  (\*\*q)++;  r = &q;  cout<<\*p << " " << \*\*q << " "<<\*\*\*r;  return 0;  } | 10 10 10 |
| #include <iostream>  using namespace std;  void foo (int \*);  int  main ()  {  int i = 10;  int \*ptr = &i;  foo (ptr);  foo (++ptr);  foo (ptr++);  }  void  foo (int \*p)  {  cout << \*p << endl;  } | 10  10  Garbage |
| #include <iostream>  using namespace std;  int main() {  int a = 32, \*ptr = &a;  char ch = 'A', &cho = ch;  cho += a;  \*ptr += ch;  cout << a << ", " << ch << endl;  return 0;  } | 129, a |
| #include <iostream>  using namespace std;  int main()  {  int x=4, \*xx=&x, \*\*xxx=&xx;  cout << sizeof(x) << ", " << sizeof(xx) << ", " << sizeof (xxx) << ". ";  } | 4, 8, 8. |
| #include <iostream>  using namespace std;  int main()  {  const int i = 20;  const int\* const ptr = &i;  (\*ptr)++;  int j = 15;  ptr = &j;  cout << i;  return 0;  } | Compiler Error |