Quiz 2

Ques 1:- What is the output of following code segment?

```
int main(void)
{ long int z;
   z= f ( f(2) + f(4) + f(6));
   cout << z;
}

long int f(int x)
{
   if (x==1 || x== 3 || x == 5)
        return x;
   else return (x * f(x-1))
}
```

A. 2! + 4! + 6!

B. (14 + 30)!/24

C. 44!

D. (2! + 4! + 6!)/24

Ques 2 :- What does this function print?

```
int main ()
{
        r(840);
        return 0;
}

int r(int n)
{
        cout << n <
        if (n <= 4242)
                r(2*n);
         cout << n << endl;
        return n;
}
```

A.
6720
3360
1680
840
840
1680
3360
6720

B.
840
1680
3360
6720

C.
6720
3360
1680
840

D.
840
1680
3360
6720
6720
3360
1680
840

Ques 3 :- What is the output of following code segment ?

```
char* myFunc (char *ptr)
{
        ptr += 3;
        return (ptr);
}
int main()
{
        char *x, *y;
        x = "HELLO";
        y = myFunc (x);
        cout<<"y = "<<y<<endl;
        return 0;
}
```

A. y = LLO

B. y = ELLO

C. y = LO

D. y = HELLO

Ques 4 :- What will the code print when it is executed?

```
void func()
{    int x = 0;
     static int y = 0;
     x++; y++;
     cout<<x<<" -- "<<y<<endl;
}

void main()
{   func();
     func();
}
```

A. 1 -- 1
1 -- 1
B. 1 -- 1
2 -- 1
C. 1 -- 1
2 -- 2
D. 1 -- 1
1 -- 2

Ques 5 :- What is the output of following code segment?

```
char *buffer = "0123456789";
char *ptr = buffer;
ptr += 5;
cout<<ptr<<endl;
cout<<buffer<<endl;
```

A. 0123456789
56789
B. 0123456789
0123456789
C. 56789
56789
D. 5123456789
5123456789
E. 56789
0123456789