

ASSIGNMENT FOR THE SESSION 2013-2014

Class: XI

Subject : Computer Science

Assignment No. 3

1. Find error in the following program and give the suitable reason for the same

```
#include<iostream.h>
void main( )
{
    int x=10;
    char *p=&x;
    p=p*2;
    int *ptr=&p;
    cout<<,**p;
    exit;
}
```

3

- 2 a) Find the output of the following program?

3

```
#include<iostream.h>
int & max( int &x, int &y)
{
    if (x> y )
        return x ;
    else
        return y;
}
void main( )
{
    int a=10, b=20;
    max(a,b)= -1 ;
    cout<< a<< " "<<b<<" ";
    max(b,a) =7 ;
    cout<< a++<< " "<< b- --<<" ";
    max(a,b) =3 ;
    cout<< a<< " "<<b<<" ";
}
```

- b) Find the output of the following program:

2

```
#include<iostream.h>
#include<string.h>
#include<ctype.h>
void convert(char str[],int len)
{
    for(int c=0;c<len;c++)
    {
        if (isupper(str[c]))
            str[c]=tolower(str[c]);
        else if (islower(str[c]))
            str[c]=toupper(str[c]);
        else if (isdigit(str[c]))
            str[c]=str[c]+1;
        else str[c]='*';
    }
}
void main()
{
    char text[]="MONDAY Test 2010";
    int size=strlen(text);
```

```

convert(text,size);
cout<<text<<endl;
for(int c=0,r=size-1;c<=size/2;c++,r--)
{
char temp=text[c];
text[c]=text[r];
text[r]=temp;
}
cout<<text<<endl;
}

```

- c) Find the output of the following program?

2

```

#include<iostream.h>
int a=3;
void demo(int &x,int y,int *z)
{
a+=x;
y*=a;
*z=a+y;
cout<<a<<" "<<x<<" "<<y<<" "<<*z<<endl;
}
void main()
{
int a=2,b=5;
demo(a,a,&b);
cout<<::a<<" "<<a<<" "<<b<<endl;
}

```

3. a) Write a function SORT to sort the 2D array containing N strings in alphabetical order. 5
- b) Write a function to count number of words in a given string (of sentence) that starts with consonant and return the count; 5
- Example : In a string " Monday test class eleven" number of word that starts with consonant are 3

Note – Between words there may be more than one spaces

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