

**Q1: A)**

1. math.h
2. 168
3. iostream.h
4. string.h
5. 15
6. strcpy
7. math.h

**Q1: B)**

```
#include<iostream.h>
#include<conio.h>
main()
{
    int B[30], M=1;
    for(int i=0;i<30;i++) cin>>B[i];
    for(int i=0;i<30;i++) M*=B[i];
    cout<<"Multiplication ="<<M<<endl;
    getch();
}
```

**Q2: A)**

```
#include<iostream.h>
#include<conio.h>
main()
{
    int A[3][4]= {{2, 8, 1, 4}, {3, 5, 22, -4}, {-5, -9, 33, -8}}, B[4][3];
    for (int i =0;i <4;++i){
        cout<<endl;
        for(int j=0;j<3;j++)
```

```

B[i][j]=A[j][i];
}
for (int i =0;i <4;++i){
cout<<endl;
for(int j=0;j<3;j++){
cout<<B[i][j]<<" ";
}
cout<<endl;
}
getch();
}

```

## Q2: B)

```

int Min(int val1,int val2)
{
if (val < val)
return val1;
else
return val2;
}

#include<iostream.h>
#include<conio.h>

main()
{
int a,b;
cin>>a>>b;
cout<<" The minimum value = "<<Min(a,b);
getch();
}

```

**Q3: A)**

```
#include<iostream.h>
```

```
#include<conio.h>
```

```
main()
```

```
{
```

```
float x=5;
```

```
do
```

```
{
```

```
cout<<x<<endl;
```

```
x+=0.3;
```

```
} While(x<=8);
```

```
getch();
```

```
}
```

**Q3: B)**

8

7.3

6.6

5.9

5.2

4.5

3.8

3.1

2.4

1.7

1

The multiplication is = 2,557,585.171

**Q4: A)**

```
#include<iostream.h>
#include<conio.h>
main()
{
int A,B,C,D;
cin>>A>>B>>C>>D;
cout<<(A|(!(A&B)&!(B|C)))<<endl;
cout<<((!(A&B)&!(B|C))&!(B|C)|(C&D)))<<endl;
cout<<(!(D|!(B|C)|(C&D)))<<endl;
cout<<(A<<7)<<endl;
cout<<(C>>4)<<endl;
getch();
}
```

**Q4: B)**

```
#include<iostream.h>
#include<conio.h>
main()
{
int A[10], sum=0;
for (int i=0;i<10;i++){
A[i]=i*i*i;
sum +=A[i];
}
cout <<"Sum ="<<sum <<endl;
getch();
}
```

**Q5: A)**

```
#include<iostream.h>
#include<conio.h>
#include<string.h>
main()
{
char A[]="Iraq is our country.", B[]="We love Iraq";
cout<<strchr(B,'l')<<endl;
cout<<strcat(A,B)<<endl;
cout<<strncpy(A,B,8)<<endl;
getch();
}
```

**Q5: B)**

```
#include<iostream.h>
#include<conio.h>
#include<math.h>
main()
{
int x=5;
float Y;
while(x<=10)
{
Y= 6/pow(x,4)+ 9/pow(x,6) - 12/pow(x,8) +15/pow(x,10);
cout<<Y<<endl;
}
getch();
}
```

**Q6: A)**

```
#include<iostream.h>
#include<conio.h>
#include<math.h>
main()
{
float y;
for(int i=1 ; i<=10 , i++){
y=i/3+sqrt(i);
cout<<"y is equal = "<<y<<endl;
}
getch();
}
```

**Q6: B)**

```
#include<iostream.h>
#include<conio.h>
#include<math.h>
main()
{
float Y=0;
for(int x=20; x<=60; x++)
{
Y += acos(x)-sqrt((x-2)/2)+log(x)*fabs(pow(x,3)-3);
}
cout<<Y<<endl;
getch();
}
```