

Class XII

Assignment-3

Sub: Computer Science

Q1. What is a parameter? Differentiate between an actual and a formal parameter with an example. Name the different types of formal parameter supported by C++. What type of parameter you must be using when passing an array to a function?

Q2. What is a compiler directive? Why do we need #include in a C++ program? Name the include file, to which following built-in functions belong to:

- (a) strcmp (b) randomize (c) setw() (d) isalnum()
(e) sin() (f) gotoxy()

Q3. Find the syntax error(s), if any, in the following program:

```
include<iostream.h>
void main()
{
int R; W=90;
while w>60
{
R=W-50;
switch(w)
{
20:cout<<"Lower Range"<<endl;
30:cout<<"Middle Range"<<endl;
20: cout<<"Higher Range"<<endl;
}
```

```
}  
}
```

Q4. What would be output by the following program:

```
#include<iostream.h>  
void Execute (int &B, int C=100)  
{  
    int TEMP=B+C;  
    B+=TEMP;  
    if(C==100)  
        cout<<TEMP<<B<<C<<endl;  
}  
  
void main()  
{  
    int M=90, N=10;  
    Execute(M);  
    cout<<M<<N<<endl;  
    Execute(M,N);  
    cout<<M<<N<<endl;  
}
```

Q5. Give the output of the following program segment:

```
void main()  
{  
    char *NAME = "CoMPutER";  
    for(int x=0;x<strlen(NAME);x++)  
        if(islower(NAME[x]))  
            NAME[x]=toupper(NAME[x]);  
    else
```

```
if(isupper(NAME[x]))
if(X%2==0)
NAME[x]=tolower(NAME[x]);
else
NAME[x]=NAME[x-1];
puts(NAME);
}
```

