**LAXMI INTERNATIONAL SCHOOL**

**WEEKLY TEST (APRIL) – 2017-2018**

**XII-**  **Computer Science(Code 083) Max Marks:30**

**1.**

a) Identify valid and invalid identifier from the following : 2 M

My file, My\_file, \_Myfile, My-file ,

b) Write the names of the header files, which is/are essentially required to run/ execute the following C++ code: 2 M

void main ( )

{

char C, String[ ]= “Excellence Overload”;

for (int I=0; String [ I ] ! = '\ 0'; I ++ )

if(String[I]= = ‘ ’)

cout<<endl;

else

{ C=toupper(String[I]);

cout<<C ; }

}

c) Differentiate entry controlled loop and exit controlled loop.Explain with an example. 2 M

d) How long does this loop run : 2 M

for ( int x=0; x=3 ; x++ )

e) Give the output of the following : 2 M

int x=10 ; cout << x++ << x << ++x<< x;

f) Write a program to calculate the area of a circle using #diefine preprocessor directive.The program should calculate the area through #define directive. 3 M

g) Differentiate actual parameter and local parameter using appropriate example. 2 m

**2.**

a) What do you mean by local variable and global variable?Give an appropriate example. 2 M

b) Find the output of following programs : 9 M

(i) void main ( )

{

char String[ ]= “Computer Science!”;

for (int I=0; String [ I ] ! = '\ 0'; I ++ )

if(String[I]= = ‘ ’)

cout<<endl;

else if(islower(String[I])

String[I]=toupper(String[I]);

else

String[I]= ‘@’;

cout<<C ;

}

(ii) void change(int x[4],int i)

{ x[i] \* = i ; }

void main( )

{ int x[] = {10,20,30,40};

for(int i=0;i<4;i++)

{ change(x,i);cout<<x[i]<<endl ; }

}

(iii) void main( )

{

randomize();

int Guess,High=1;

Guess=random(high) + 50 ;

for(int x=Guess ; x<=55; x++)

cout<<x<< ‘#’;

}

c) Explain function recursion with an example. 2 M

d) Declare a structure ACCOUNT of 10 customers with members of Name of depositor,Account number,Balance amount with appropriate data types. 2 M