INDIAN SCHOOL MUSCAT
SECOND PERIODIC TEST

COMPUTER SCIENCE

CLASS: XI   Sub. Code: 283   Time Allotted: 50 mts

09.01.2019   Max. Marks: 20

GENERAL INSTRUCTIONS:
- **Answer all questions.**
- **Programming language is C++.**
- **Write programs neatly and clearly.**

1. Write the names of the header files to which the following functions belong: 1
    i) islower( )   ii) strcpy( )

2. What are the formal parameters and actual parameters of a function?   1

3. Write definition for a structure EREC that stores information about an employee such as   2
    empid, name, address and salary. The address member of EREC stores the information
    houseno, area and city.

4. How is call-by-value method of function invoking different from call-by-reference method?   2
    Give appropriate examples supporting your answer.

5. Illustrate the use of #define in C++ to define a macro.   2

6. Give the output of the following program: 2

```
#include<iostream.h>
void Calc(int &X, int Y=200)
{int TEMP = X + Y;
X += TEMP;
if(Y != 200)
    cout<<TEMP<<X<<Y<<endl;
}
int main()
{
int A=50, B=20;
Calc(B);
cout<<A<<B<<endl;
Calc(B);
cout<<A<<B<<endl;
return 0;
}
```

7. Write a program using functions to accept a string and a character in the main( ) function. **3**
    Pass this string and the character to a function named check( ), check how many times the
    character is present in the string and display the result within the function check( ).

8. Define a structure customer with the following members : Idno, name, units and amount. **4**
    Write a C++ Program to read Idno, name and number of units consumed for **n** customers and
    compute amount as per the following criteria :

Units	Amount
1 - 100	200 baiza per unit
101 - 300	400 baiza per unit
> 300	500 baiza per unit

    For example , if the units consumed is 350, then
    amount =   100*0.200 + 200*0.400 + 50*0.500
    Display Idno, name, number of units and total amount for **n** customers.

9. Write a program using functions to check whether a number is perfect or not. The function **3**
    name is Perfect( ).The number is accepted within the function and result is displayed within
    the function.

End of the Question Paper