Roll Number		

B

INDIAN SCHOOL MUSCAT
SECOND PERIODIC TEST

COMPUTER SCIENCE

CLASS: XII Sub. Code: 083 Time Allotted: 50mts

13.09.2018 Max. Marks: 20

GENERAL INSTRUCTIONS:
All questions are compulsory.
Programming language : C++.

1. a) What is the difference between ios::nocreate and ios::noreplace? 1+1
   b) Give the two overloaded functions of seekg().

2. Observe the following program segment given below carefully and fill the blanks marked as Statement 1 and Statement 2 using seekg( ) and tellg( ) functions for performing the required task: 2

```
#include<fstream.h>
class Flight
{
 int FNo,
 char Fname[20];
public:
 // Function1 to count total number of records.
 Int CountRec( );
};

int Flight :: CountRec( )
{
 Flight Obj;
fstream File;
 File.open("Flight.Dat", ios::in | ios::binary);
 …… // Statement 1, to go to end of file
int bytes =……// Statement 2, to find no. of bytes
 int count = bytes / sizeof(Obj);
 File.close( );
return count;
 }
```

3. Assuming the class DOLLS declared below, write a function in C++ to read objects of DOLLS from the binary file 'DOLL.dat' and display those details of DOLLS which are meant for children in the Agerange of "6 to 10". 3

```
Class DOLLS
{
 int Dcode;
char Dname[20];
char Agerange[20];
void enter()
{
 cin>>Dcode;
gets(Dname);
gets(Agerange);
}
void Display()
{
cout<<Dcode<<dname<<Agerange;
}
char* Whatage(){ return Agerange;}
};
```

4. Write a function in C++ to delete the record of a given membership number(Mno) from a binary file 'Club.dat' containing records of the following structure: 3

```
struct Member
{
 int Mno;  //membership number
 char Mname[20];
 char Type; //Membership type
};
```

5. Define a) heap b) this pointer 1+1

6. Obtain the ouput from the following C++ program as expected to appear on screen after its execution (Assume all required header files are included) 2

```
 void main()
{
 char *Text="AJANTHA";
int* P,Num[]={1,5,7,9};
P=Num;
Text++;
cout<<*P<<*Text<<endl;
Text++;P++;
cout<<*P<<Text<<endl;
}
```

7. **Find the output of the following program segment: (assume all header files are included)** 3

```
 int A[ ]={12,18,20, 35,40};
 int *p=A;
 while(*p<40)
 {
        if(*p%3==0)
              *p=*p+4;
```

```
        else
                *p=*p+3;
        p++;
}
for(int j=0;j<=4;j++)
{
        cout<<A[j]<<"&";
        if(j%3==0)
        cout<<endl;
}
cout<<A[4]*4<<endl;
}
```

8. Find the output of the following code snippet: (assuming all required header files are included) 3

```
void NewText(char str[ ], int & pos)
{
char * p = str;
int length = strlen(p);
for( ; pos < length – 4; pos += 2 , p++)
{
*(p + pos) = toupper(*(p+pos));
}
cout<<str;
}
void main( )
{
NewText("Good Morning", 0) ;
}
```

End of the Question Paper