

| | | |
|--------------------|--|--|
| Roll Number | | |
|--------------------|--|--|

A



INDIAN SCHOOL MUSCAT FIRST PERIODIC TEST

COMPUTER SCIENCE

CLASS: XI

Sub. Code: 083

Time Allotted: 50 mts.

05.12.2018

Max. Marks: 20

GENERAL INSTRUCTIONS:

- Answer all questions.
- Programming language is C++.
- Write programs neatly and clearly.

1. What do you understand by an array? What is the need for arrays? 1
2. How are strings manipulated in C++? Support your answer with an example. 1
3. Consider the following array declaration: 1
 int X[5][50];
 - i) Find the number of elements in the array.
 - ii) Find the total number of bytes required to store the array.
4. What output does the following code fragment produce: 2

```
int stock[ ]={ 10, 22,15,12, 18};  
int total = 0;  
for(int i=0 ; i < 5; ++i)  
    if(stock[i] > 15)  
        total += stock[i];  
cout<< "Total= " <<total;
```

5. Write a program to accept an array of 'n' integers. Accept another integer from the user and check whether that integer is present in the array or not and display proper message. 3
6. Write a program to accept 10 integers to an array. Sort the array elements in ascending order and display the sorted array. 3
7. Write a program to accept a square matrix **A** of size m x m of integers and display the diagonal elements of the matrix in the matrix form. 3
8. Write a program to accept a matrix **A** of size m x n of integers. Interchange the first and last row elements of matrix **A** and display the resultant matrix. 3
9. Write a program to accept 5 strings, reverse and store each string in the same array and display the resultant strings. 3

End of the Question Paper