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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 is an array? How does it differ from ordinary variable? 1
2. What is the difference between these two statements? 1
i) `int sum[10];` ii) `m[1]=10;`
3. Consider the following array declaration: 1
`float Z[10][5];`
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 item[ ]={ 15, 28,50,32,48 }, sum=0, i=0;
while(i < 5)
{ if(item[i] > 15)
    sum+=item[i];
  i++;}
cout<<"Sum= " <<sum;
```
5. Write a program to accept 5 strings, reverse and store each string in the same array and display the resultant strings. 3
6. Write a program to accept 10 integers to an array. Sort the array elements in descending order and display the sorted array. 3
7. Write a program to accept a matrix **A** of size 3 x 3 of integers. Store the transpose of this matrix in another 3 x 3 matrix **B** and display the transposed matrix. 3
8. Write a program to accept a sentence and count the number of words in it and display the count. 3
9. 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

End of the Question Paper