**CS201 - Midterm Solved Paper**

Question No: 1 ( Marks: 1 ) - Please choose one  
**What is the output of the following statement**[**?**](http://www.vuzs.info/)int i = 2.5; do { cout i \* 2; } while (i > 3 && i < 10);  
(a) 510  
(b) 5  
(c) 48  
**(d) error**

Question No: 2 ( Marks: 1 ) - Please choose one  
**What does !(7) evaluate to in decimal where ! is a NOT operator**[**?**](http://www.vuzs.info/) **(a) 7**(b) 8  
(c) 9  
(d) 10  
  
Question No: 3 ( Marks: 1 ) - Please choose one  
**The condition in while loop may contain logical expression but not relational expression.**(a) True  
**(b) False**

Question No: 4 ( Marks: 1 ) - Please choose one  
**Searching is easier when an array is already sorted  
(a) True**(b) False

Question No: 5 ( Marks: 1 ) - Please choose one  
**If an array has 100 elements, what is allowable range of subscripts**[**?**](http://www.vuzs.info/) **(a) 0 - 99**(b) 1 - 99  
(c) 0 - 100  
(d) 1 - 100

Question No: 6 ( Marks: 1 ) - Please choose one  
**What will be the value of ‘a’ and ‘b’ after executing the following statements**[**?**](http://www.vuzs.info/)  
a = 3;  
b = a++;  
(a) 3, 4  
(b) 4, 4  
(c) 3, 3  
**(d) 4, 3**

Question No: 7 ( Marks: 1 ) - Please choose one  
**What will be the correct syntax to initialize all elements of two-dimensional array to** **value 0**[**?**](http://www.vuzs.info/)(a) int arr[2][3] = {0,0} ;  
**(b) int arr[2][3] = {{0},{0}} ;**(c) int arr[2][3] = {0},{0} ;  
(d) int arr[2][3] = {0} ;

Question No: 8 ( Marks: 1 ) - Please choose one  
**Which of the following functionreturns the size of a string variable**[**?**](http://www.vuzs.info/)(a) strlength()  
(b) stringlen()  
(c) **strlen()**(d) strLength()

Question No: 9 ( Marks: 1 ) - Please choose one  
**What will be the range of numbers generated by function rand () % 9**[**?**](http://www.vuzs.info/)(a) 0 to 9  
(b) 1 to 9  
**(c) 0 to 8**(d) 1 to 8

Question No: 11 ( Marks: 1 ) - Please choose one  
**Computer can understand only machine language code.  
(c) True**(d) False

Question No: 13 ( Marks: 1 ) - Please choose one  
**What does 5 ^ 6 , evaluate to in decimal where ‘^’ is Exclusive OR operator**[**?**](http://www.vuzs.info/)(a) True  
**(b) False**

Question No: 14 ( Marks: 1 ) - Please choose one  
**If the file is not properly closed in the program, the program \_\_\_\_\_\_\_\_\_\_\_\_.**(a) Terminate normally  
(b) Indicate Runtime error  
(c) Indicate Compile time error  
**(d) Crashes**

Question No: 15 ( Marks: 1 ) - Please choose one  
**Which of the following header file include string conversion functions?**(a) string.h  
**(b) stdlib.h**(c) ctype.h  
(d) sconvert.h

**Question No: 17    ( M - 1 )**

**Which header file must be included while handling files**[**?**](http://www.vuzs.info/)

Question No: 18    ( M - 1 )

**What is meant by C++ statement:   const int \*ptr = &x;**

Question No: 19    ( M - 2 )

**What is a truth Table?**

Question No: 20    ( M - 3 )

**(i) An array day is declared as: int day[] = {1, 2, 3, 4, 5, 6, 7};**

**How many elements does array 'day' has?**

**(ii) If the declaration is changed as: int day[7] = {1, 2, 3, 4, 5, 6, 7};**

**How many elements does array 'day' has?**

Question No: 21    ( M - 5 )

**What are similarities and differences between Structures and Unions**[**?**](http://www.vuzs.info/)

Question No: 22    ( M - 10 )

**Write a void function( ); that takes integer numbers from the user and then displays the sum of odd and even numbers entered by the user. Your program should terminate if user enters a negative number**[**?**](http://www.vuzs.info/)