CS201- Introduction to Programming Complete Solved Paper

MIDTERM EXAMINATION
Spring 2009
CS201- Introduction to Programming (Session - 1)
Question No: 1   (Marks: 1) - Please choose one
In C/C++ the #include is called,
Header file
Preprocessor Directive
Statement
Function
Question No: 2   (Marks: 1) - Please choose one
To access the element of two dimensional array we use,
Single referencing
Single dereferencing
Double **dereferencing**
Double referencing
Question No: 3   (Marks: 1) - Please choose one
Data Size of the file is always _____ the actual size of the file.
Greater than
Equal to
Less than or equal to
None of the above
Question No: 4   (Marks: 1) - Please choose one
When an identifier is declared with keyword const then,
Its value can be changed during execution.
Its value can not be changed
Its value can be changed with arithmetic operator
Its value can be overwritten
Question No: 5   (Marks: 1) - Please choose one
In C/C++ if we define an array of size eight (8) i.e. int Arr [8]; then the last
element of this array will be stored at,
Arr[0]
Arr[8]
Arr[7]
Arr[-1]
Question No: 6   (Marks: 1) - Please choose one
If it is required to copy an array to another array then,
Both arrays must be of the same size and data type

Both arrays may be of different size
Both arrays may be of different data type
Both arrays may be of different size and type

Question No: 7   (Marks: 1) - Please choose one
In C/C++ all character strings are terminated with,
Null character
String
Zero
Full stop

Question No: 8   (Marks: 1) - Please choose one
Let suppose
struct intorDouble{
Int ival;
Double charvar;
};
main(){
intorDouble VAZ;
int size ;
size = sizeof(VAZ);
}
What will be the value of variable size, if int occupies 4 bytes and double occupies 8
bytes?
2
4
8
12

Question No: 9   (Marks: 1) - Please choose one
When a pointer is incremented, it actually jumps the number of memory addresses
According to data type
1 byte exactly
1 bit exactly
A pointer variable can not be incremented

Question No: 10   (Marks: 1) - Please choose one
Do-while loop executes at least,
Zero Time
One Time

Two Times
N Times
Question No: 11   (Marks: 1) - Please choose one
+= , *= , /= , etc are called,
Assignment operators
Logical operator
Compound assignment operator
Unary operator
Question No: 12   (Marks: 1) - Please choose one
Computer can understand only machine language code.
True
False

Question No: 13   (Marks: 1) - Please choose one
Which of the following is the correct syntax to print multiple values or variables in
a single command using cout?
cout << "Hello" + x + "\n";
cout << "H" << x << "\n";
cout << "H", x, "\n";
cout << ("H" & x & "\n");
Question No: 14   (Marks: 1) - Please choose one
The compilers and interpreters also belong to the System Software category.
True
False
Question No: 15   (Marks: 1) - Please choose one
Editors are used to compile the code.
True
False
Question No: 16   (Marks: 1) - Please choose one
The variables having a name, type and size are just like empty boxes.
True
False
Question No: 17   (Marks: 1)
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What will be the result of the statement?
rand ( ) % 50
Question No: 18   (Marks: 1)
What is the ASCII code of null character and how is it represented?

Question No: 19   (Marks: 2)
What is a truth Table?

Question No: 20   (Marks: 3)
How learning to design programs is like learning to play soccer?

Question No: 21   (Marks: 5)
What is the purpose of the default statement in the switch statement?

Question No: 22   (Marks: 10)
Write a program which contains a user defined function named

ConvertInSeconds

that

takes 3 integer arguments hours, minutes and seconds, this function converts the time into

seconds and returns the number of seconds.

Input variables hours , minutes and seconds in main program and call the function

ConvertInSeconds

and display the number of seconds returned by function.

Hint:

1 hour =60 minutes
1 minute =60 seconds