

Class 11  
13-5-2015

First Unit Test in COMPUTER SCIENCE

Time : 1 hr.  
M. Marks : 20

1. Write the difference between (write only one difference with example) [6]
- a) Identifier and Keyword
  - b) <<and>> operators
  - c) char and string constants
  - d) unary and Binary operator
  - e) = and == operators
  - f) \n and endl
2. Write the output of the given program segments
- a)  $(a >= b) \&\& (! (c == b) || (c < a))$  [1]  
Write the output of the above expression for the following values  
i)  $a=10, b=5, c=11$   
ii)  $a=9, b=10, c=2$
- b) Evaluate the following expressions for the values of  $a=5, b=3$  and  $d=1.5$  [3]  
i)  $c = a++ * --d + b$ ;  
`cout<<"\n"<<a<<"\t"<<c<<"\t"<<d;`  
ii)  $f = a - (b++) * a++ - --b$ ;  
`cout<<"\n"<<a<<"\t"<<b<<"\t"<<f;`
- c)  $a = m * 3/4 + k/4 + 8 - m + 5/8$ ; [1]  
`cout<<a;`  
(if  $m = 2, k=4$ )
3. a) Find errors in the following code segments [2]  
`float Y = 10.7 ;  
float endl = Y % 5.0;  
cout<<Y>>endl;`
- b) Correct the errors in the following program. [2]
- ```
#include [iostream.h]
Void main( )
{
Cout>>'welcome';
}
```
4. a) Write any 2 identifiers rules in C++. [1]
- b) Which of the following are valid identifiers and why / why not: [2]
- i) Data\_rec
  - ii) 1data
  - iii) my.file
  - iv) void
- c) A computer programming contest requires team of 5 members each. Write a program that asks for number of players and then gives the number of teams and number of players left over. Display number of teams and number of players left over in different lines. [2]