

Class 11

12-8-2016

Second Unit Test (First Term) in COMPUTER SCIENCE

Time : 1 hr.

M. Marks : 20

1. Write any two differences between the following: [2]
  - a) Switch case and Multiple if else.
  - b) = and ==
  
2. Evaluate the following expression: [1]  
 $(x+y < z+2) \parallel (y+z > x) \&\& (!(x-z <= y-x+z))$   
if(x=9, y=10 and z=40)
  
3. What will be the output of following code fragment if the input is [2½]      i) a      ii) c      iii) d      iv) h      v) b  
cin >> ch;  
switch(ch)  
{  
case 'a': cout << "it is a.\n";  
case 'b': cout << "it is b.\n";  
case 'c': cout << "it is c.\n";  
          break;  
case 'd': cout << "it is d.\n";  
          break;  
default: cout << "not a b c d";  
}
  
4. Rewrite the following code segment using switch case. [2]  
char code;  
cin >> code;  
if(code == 'A')  
cout << "Analyst";  
else  
if(code == 'c' || code == 'G')  
cout << "Clerk";  
else  
if(code == 'M')  
cout << "Manager";
  
5. Correct the errors in the given program segment. [3]  
float code;  
cout << "Enter the code";  
cin >> code  
Switch {code};  
(  
case '2': cout << "UNIT TEST II";  
Break;  
case 3: cout << "HALF YEARLY";  
)

6. Write the output of the following program.

```
a) int x=5, y=5;
[1½]
cout<<x--;
cout <<" , ";
cout<<--x;
cout<<" , ";
cout<<y--<<" , "<<--y;
```

```
b) int a=100, b;
b = + + a + a + + * a;
cout<<b; [1]
```

7. In a company an employee is paid as follows. Write a program to input salary. Calculate, DA, HRA, netsalary according to salary.

Salary	DA	HRA
<2000	10%	5%
>=2000<4000	25%	15%
>=4000<8000	30%	25%
>=8000	40%	30%

Display the netsalary of an employee (netsalary = Salary + HRA +DA) [4]  
**(Multiple if else)**

8. Write a program to input choice If the choice is 1, calculate area of circle, if the choice is 2, calculate area of rectangle. if choice is 3, calculate circumference of circle. if choice is 4, calculate Area of Square. For any other choice, display the message WRONG CHOICE. **(Switch Case)** [3]

-x-x-x-x-x-