# COLLEGE OF ENGINEERING & TECHNOLOGY

Department : Computer Engineering

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Course : Introduction To Programming

Course No. : CC114

## Sheet 5
## Logical Operators

*Q1.* Choose the correct answer:

1. The condition *expression1* AndAlso *expression2* evaluates to True if …………... .
   a) *expression1* is True & *expression2* is False      b) *expression1* is False & *expression2* is True
   c) Both *expression1* & *expression2* are False      d) Both *expression1* & *expression2* are True

2. The condition *expression1* OrElse *expression2* evaluates to False if …………... .
   a) *expression1* is True & *expression2* is False      b) *expression1* is False & *expression2* is True
   c) Both *expression1* & *expression2* are False      d) Both *expression1* & *expression2* are True

3. The condition *expression1* XOR *expression2* evaluates to True if …………... .
   a) *expression1* is True & *expression2* is False      b) *expression1* is False & *expression2* is True
   c) Both *expression1* & *expression2* are True      d) Both a & b

4. The condition Not(*expression1* AndAlso *expression2*) evaluates to True if …………... .
   a) *expression1* is True & *expression2* is False      b) *expression1* is False & *expression2* is True
   c) Both *expression1* & *expression2* are False      d) All of the above

*Q2.* Assume that nameTextBox is a TextBox. Find the error(s) in the following code:

```
If nameTextBox.Text = "John Doe" Then

    MessageBox.Show("Welcome, John!", _
        MessageBoxIcon.Exclamation)

End If
```

*Q3.* Create the Sibling Survey application which displays the siblings selected by the user in a dialog. If the user checks either the Brother(s) or Sister(s) CheckBox and the No Siblings CheckBox, the user is asked to verify the selection. Otherwise, the user's selection is displayed in a MessageBox.