



Northern University Nowshera

**Assignment No. 2**  
**Semester: Fall 2015**  
**Introduction to Computing – CS101**

**Total Marks: 20**

**Due Date: 10-03-16**

**Learning Outcome:**

- Solving Boolean Expressions using Truth Table
- Identifying different application and system software

**Uploading instructions:**

- Your assignment must be in **.doc or docx** format.  
(Any other format like scan images, PDF, text, Zip, rar, bmp etc will not be accepted)
- No assignment will be accepted through email.

**Rules for Marking:**

It should be clear that your assignment will not get any credit if:

- Your assignment is copied from internet, handouts or from any other student  
(Strict disciplinary action will be taken in this case).
- The assignment file is not in required format.
- The submitted assignment does not open or file is corrupted.
- The assignment is submitted after due date.

## Assignment

### Question No. 1

Following table contains the list of software. You are required to identify Application software from the list. Write “**Yes**” in the column “**Application Software**” if the software is application software else write “**No**”.

Software	Application Software
MS Excel	
Linux	
Internet Explorer	
Adobe Photoshop	
Sound Card Driver	
Windows Disk Manager	
Adobe Dreamweaver	
Windows File Explorer	

### Question No. 2

Given below is a truth table with inputs X and Y. You are required to solve the given Boolean expressions and write the result in the given columns.

Input		Boolean expressions		
X	Y	X <b>XNOR</b> Y	X <b>NAND</b> Y	$X' \cdot (X \text{ XNOR } Y) + (X \text{ NAND } Y) \cdot Y'$
0	0			
0	1			
1	0			
1	1			