**Advance Excel Assignment 2**

1. **What does the dollar ($) sign do?**In an absolute reference, each part of the reference (the letter that refers to the row and the number that refers to the column) is preceded by a “$” – for example, $A$1 is an absolute reference to cell A1. Wherever the formula is copied or moved, it always refers to cell A1
2. **How to Change the Reference from Relative to Absolute (or Mixed)?**If you want to change the reference from relative to absolute then simply press F4 key.
3. **Explain the order of operations in excel?**In general, Excel's order of operation follows the acronym PEMDAS (Parentheses, Exponents, Multiplication, Division, Addition, Subtraction) but with some customization to handle the formula syntax in a spreadsheet. First, any expressions in parentheses are evaluated.
4. **What, according to you, are the top 5 functions in excel and write a basic syntax for any of two?**According to me the top 5 functions in excel is..  
   If Function :- =if(logical\_test, value\_if\_true, value\_if\_false)  
   SUMIFS :- =sumifs(sum\_range1, criteria\_range1,….,….)  
   FILTER :- = filter(array, include, [if\_empty])  
   GETPIVOTDATA : - =getpivotdata(data\_field, pivot\_table, field, item,…)  
   XLOOKUP :- =xlookup(lookup\_value, lookup\_array, return\_array,if\_not\_found,match\_mode,search\_mode)
5. **When would you use the subtotal function?**SUBTOTALS help us to get the totals of several columns of data broken down into various categories.
6. **What is the syntax of the vlookup function? Explain the terms in it?**=vlookup(lookup\_value, table\_array,column\_index\_number, range\_lookup)  
   Lookup\_value = we are trying to find out the value of the particular selection  
   Table\_array = from the table we are fetching the value  
   Column\_index\_number = The number the particular column where the value is looked from  
   range\_lookup = decides whether we are looking for exact match or approximate match.