



## MS2001 Business Data Management

**Jan 2024 Term**

### **Week 5 - Graded Assignment 5**

An E-Commerce Platform - has one of its **Mother Distribution Centres** (DC) set up in **Mumbai** which coordinates with its **Three Child DCs: 1. Pune, 2. Aurangabad, 3. Nashik**. For this assignment, we are considering 10 categories; 5 products each leading up to 50 products.

There are 4 data sheets in the Excel File provided to you.

**SKU Master:** It contains information of BU, SKU, Brand, Model and Average Price  
**Sales Data:** It contains information on Date, SKU, City and Volume  
**OPN STK:** Stock that is available as on 01-01-2023  
**Stock Transfer:** Contains information on incoming stocks to Pune, Aurangabad and Nasik from Mumbai from 01-01-2023 – 30-01-2023.

**NOTE: THE SAME DATASET WILL ALSO BE USED FOR ASSIGNMENT 6.**

1. Over the 30 days of observed sales, what is the total sale value of SKU B003 ?  
**(INTEGER) (NO. OF DIGITS MAY VARY)**
2. How much percentage of total sale quantity (Volume) did Household category achieve in the first week? (Jan 1 to Jan 7, both days included) **(3 DECIMALS)**  
**Hint:** Construct a Volume Pareto Chart
3. What is the maximum sale value by a single SKU in a day across all days?  
(Sale Value = Sale Qty \* Price per Qty) **(INTEGER) (NO. OF DIGITS MAY VARY)**
4. What is the least revenue generating category across all days? **(STRING)**
5. What is the percentage of sale value in Mumbai across all categories and days?  
**(3 DECIMALS)**

**SAMPLE ANSWERS:**

Q1	123456
Q2	0.123
Q3	1234567
Q4	Books
Q5	0.123