### **University of Management and Technology**

School of Health Sciences

Spring – 22 Semester

**Assignment No. 1**

**Last date of submission: 15/04/2022**

**Question # 1**

Burger King is one of the largest fast-food franchise operations in the world. Recently, the district manager for Burger King in Las Vegas conducted a study in which she selected a random sample of sales receipts. She was interested in the number of line items on the receipts. For instance, if a customer ordered two 1/4-pound hamburgers, one side of fries, and two soft drinks, the number of line items would be five. The following data were observed:



1. Develop a frequency distribution for these data. Use 2k ≥ n guideline to determine the number of classes. Also calculate cumulative frequency, relative frequency and cumulative relative frequency.
2. Construct a Histogram, frequency polygon and Ogive for the given data.

**Question # 2**

Construct stem and leaf plot for the following data:

