**KATWA COLLEGE**

**INTERNAL ASSESSMENT OF B.COM (HONS.) SEM-I**

Course: **Minor**

Course Title: **Business Mathematics and Statistics-I** Course code**: Comm1021**

Answer any five of the following questions: Marks: 5×2=10

1. Differentiate between Equal sets and Equivalent Sets with appropriate example.
2. Given L= {1, 2, 3, 4}, M= {3, 4, 5, 6}and N={1, 3, 5} Verify that

**L - (M ∪ N) = (L- M) ∩ (L-N)**

1. Define variable and attribute with suitable examples.
2. Differentiate between primary data and secondary data.
3. State the relation between mean, median and mode.
4. Define histogram and frequency polygon.
5. Find inverse of the given matrix.
6. Apply Cramer’s rule to solve the following equations.

**2x-y+3z=9, x +y +z=6, x –y +z=2**

1. Solve: **(81/16)-3/4 × [(25/9)-3/2 ÷ (5/2)-3 ]**
2. Prove that: **- + =**