FORMULA SHEET

**Definition 2.6 – Probability**

**Definition 2.7 - Permutations**

**Definition 2.8 - Combinations**

**Definition 2.9 - Conditional Probability**

**Definition 2.10 – Independence**

**Definition 2.11 – Law of Total Probability/Baye’s Rule**

**Definition 3.4 – Expected Value**

**Definition 3.5 - Standard Deviation**

**Definition 3.7 – Binomial Distribution**

**Definition 3.8 – Geometric Probability Distribution**

**Definition 3.9 – Negative Binomial Probability Distribution**

**Definition 3.10 – Hyper Geometric Probability Distribution**

**Definition 3.11 – Poisson Probability Distribution**

**Tchebysheff’s Theorem**