

Bridge:**1. Calculus**

- a. Limits and Continuity,
- b. Differentiation
 - i. Rate of Change
 - ii. Derivatives
 - iii. Computing Maxima and Minima
- c. Integration
 - i. Integral as Sum, Area Under the Curve
 - ii. Definite Integrals and Indefinite Integrals

2. Combinatorics, Probability, and Statistics

- a. Permutations and Combinations
- b. Basic Probability (including Conditional Probability)
- c. Statistical Measures:
 - i. Mean, Median, Mode
 - ii. Expectation, Variance, Standard Deviation
 - iii. Percentiles and Quartiles
- d. Probability Distributions

3. Vectors and Matrices – Basic Operations