B.Sc .Vth sem (Mathematics)

Paper (H-9)

Paper Title: **Linear Algebra and Discrete Mathematics**

1. A study of Quotient Space and its extension with example.
2. A study of Linear Transformation with example and its properties.
3. A study of Eigen value and Eigen vectors of a linear transformation with example.

Paper (H-10)

Paper Title:- Real Analysis and Discrete Mathematics

1. A Study of Young's Theorem with example.
2. A Study of Schwartz's Theorem with example.
3. A Study of Fourier Series of half and full interval with example.

Paper (S-5)

Paper Title:- Linear Algebra, Real Analysis and Discrete Mathematics

1. A study of vector space with general properties.
2. A study of Rank and Nullity of linear Transformation .
3. A Study of Fourier expansion of even and odd function with example.

B.Sc VI th sem (Mathematics)

Paper (H-12)

Paper Title : **Mathematics (Statistical Method)**

1 . A Study of mean, median, mode with example.

2. A Study of Probability, event sample space probability of an event.

3. A Study of standard deviation with example.

Paper (S-6)

Paper Title:- Metric Spaces and Numerical Analysis

1. A Study of Cauchy sequences and related theorem.

2. A Study of Separable, second countable and first countable spaces.

3. A Study of Finite intersection property. Continuous functions and compact sets.