M.Sc IInd Sem Mathematics

Paper -1 :- Abstract Algebra -II

1. A study of Noetherian & artinian modules and rings.
2. A study of Hilbert basis theorem and Uniform modules.
3. A study of Simple modules.

Paper-2 :- Lebesgue Measure & Integration

1. A Study of Integration of series
2. A Study of The four derivatives and integration.
3. A Study of The four derivatives and integration.

Paper -3 :- Topology-II

1. A Study of Compactness, Basic properties of compactness.
2. A Study of Embedding and metrization.
3. A Study of Components. Locally connected spaces.

Paper -4 :- Complex Analysis-II

1. A study of Power series method of analytic continuation.
2. A study of Schwartz Refection principle.
3. A study of Weierstrass factorization theorem.

Paper -5:- Advanced Discrete Mathematics-II

1. A study of Directed graphs, In degree and Out degree of a vertex.
2. A study of finite state machines and their transition table diagrams.
3. A study of Moore and mealy machines.

Optional Paper :-Programming in C

1. A study of an overview of programming languages.
2. A study of Algorithm, Flow-Chart