

**LESSON PLAN OF MS SEEMA SHARMA, ASSISTANT PROFESSOR, MATHEMATICS**

**SESSION 2020-21**

**BSC-III**

- August:**        **Groups and Subgroups( Definition of group, Properties of groups, Subgroups, Cyclic groups, Normal subgroup Index of a subgroup)**
- Riemann Integral( Integrability of Continuous functions, fundamental Theorem of Integral calculus, Mean value theorem of integral Calculus)**
- September:** **Homomorphisms and Automorphisms( Homomorphism automorphism Inner automorphism of a Cyclic Group Permutation)**
- Improper Integral( Comparison test abel test dirichlets test Frullani,s Integral )**
- October:**        **Rings and fields(Rings, subrings Integral Domains , field, Ring Homomorphism ,**
- Ideals characteristic ,**
- Metric space( Definition and example of Metric space limit point neighbourhood closed set open set boundary point cauchy sequence)**
- November:**    **Homomorphisms of Rings,**
- Open and Closed Sets in Metric Space, continuity and Uniform Continuity**