LESSON PLAN

(2023-24 odd Semester)

Name of Assistant Professor: Dr. Hardish Kaur

Class: B.SC/B.A 5th Semester

Subject: Groups & Rings

Lesson Plan: From August 2023 to November 2023

1 Aug to 15 Aug	Groups and subgroups
16 Aug to 31 Aug	Cosets
1 to Sept. 15 Sept.	Homomorphisms and automorphisms
16 to Sept. 30 Sept.	Permutation groups , Rings and Fields
1 Oct to 15 Oct	Ideal and quotient rings
16 Oct to 31 Oct	Homomorphism of rings
1 Nov to 9 Nov	Euclidean Rings
10 Nov to 16 Nov	Diwali Break
17 Nov to 24 Nov.	Polynomial rings
Examinations	

Class: B.Com 1st Sem

Subject: Elements of Business Mathematics-I

Lesson Plan: From August 2023 to November 2023

1 Aug to 15 Aug	Set Theory
16 Aug to 31 Aug	Logical statements and truth table
1 to Sept. 15 Sept.	Logarithms
16 to Sept. 30 Sept.	Arithmetic and geometric progression
1 Oct to 15 Oct	Algebra of matrices
16 Oct to 31 Oct	Determinants
1 Nov to 9 Nov	Adjoint and inverse of matrix
10 Nov to 16 Nov	Compound interest
17 Nov to 24 Nov.	Annuities
Examinations	

(2023-24 Even Semester)

Name of Assistant Professor: Dr. Hardish Kaur

Class: B.SC/B.A 6th Semester

Subject: Linear Algebra

Lesson Plan: From January 2024 to April 2024

1 Jan to 15 Jan	Vector Spaces and subspaces
16 Jan to 31 Jan	Basis and Dimension ,Quotient Space
1 Feb to 15 Feb	Linear Transformations, Rank and Nullity
16 Feb to 29 Feb	Same
1 March to 15 March	Algebra of LT, Matrix of LT
16 March to 22 March	Same
23 March to 31 March	Holi Break
1 April to 15 April	Dual Space, Eigen Values and Eigen Vectors
16 April to 30 April	Inner Product Spaces, LT on Inner Product Spaces
Examinations	

Class: B.Com 2nd Semester

Subject: Elements of Business Mathematics-II

Lesson Plan: From February 2024 to May 2024

10 Feb to 15 Feb	Differentiation
16 Feb to 29 Feb	Applications of Differentiation
1 March to 15 March	Integration
16 March to 22 March	Permutation and Combination
23 March to 31 March	Holi Break
1 April to 15 April	Binomial Theorem
16 April to 30 April	Linear Programming
1 May to 15 May	Linear Programming
Revision and Practice tests	

Class: B.SC/B.A 2nd Semester

Subject: Algebra and Number Theory

Lesson Plan: From February 2024 to May 2024

10 Feb to 15 Feb	Matrices
16 Feb to 29 Feb	orthogonal and unitary matrices
1 March to 15 March	Rank of a matrix, Eigen values
16 March to 22 March	Relation b/w the roots and coefficients of equation
23 March to 31 March	Holi Break
1 April to 15 April	Transformation of equations, Descarte's rule of sign, Solution of cubic and biquadratic equations
16 April to 30 April	Divisibility, Congruences
1 May to 15 May	Fermat's, Euler's,Wilson's, Chinese Remainder theorem
Revision and Practice tests	