

Gout College, Safidon (Jind)

Lesson-plan Session 2025-26 (odd sem)

Teacher Name-Sampika

BSC/B.A-3rd

Subject-Sequence
and series

August	Defination of Limit, point, open set, closed set, compact set, nbd, point, interior point, Th ^m of open and closed set
September	Sequence and defination -Convergent seq ⁿ , bdd sequence, Limit point of sequence,
October	Infinite series Ratio Test, Root Test, C-P. Series Test.
November	Alternating series, Absolute convergent and conditionally convergence of series, Lebnitz Rule for Alternating series

Govt. College Saidu Kan (Jind)
Lesson-plan Session 2025-26 (odd Sem)

Teacher Name - Sanyogita

B.Sc. B.A. - 1st year

Subject - Calculus

August

ϵ - δ definition of limit and continuity
of a real valued function
Differentiability of functions
Taylor's and Maclaurin's series

Sept.

Asymptotes
Radius of curvature
Newton's method,
center of curvature

Oct.

Multiple points
Node, Cusp, conjugate point,
Tests for concavity and convexity
Tracing curves

November

Rectification, Area bdd. by a
closed curves
Volume

Govt. College, Safidon (Jind)

Lesson-Plan Session 2025-26 [odd sem]

Teacher's Name - Sanyogita

B.Sc / B.A - 2nd

Subject - Differential Equation

August

Basic concepts and general differential Equation,
Order and degree, Solⁿ of Diff. eqⁿ of first order.
Exact differential Equations
Orthogonal Trajectories

September

Solⁿ of linear differential Eqⁿ.
Method of reduction of order
Cauchy - Euler Equation

October

Solⁿ of simultaneous diff. - eqⁿ.
Total differential eqⁿs.

PDE of the form

$$P(x, y, z)p + Q(x, y, z)q = R(x, y, z)$$

$$p = \frac{\partial z}{\partial x} \quad q = \frac{\partial z}{\partial y}$$

November

Integral Surfaces passing through
a given curve, Surface orthogonal
to a given system of surface
Charpits' method
Jacobi method

Govt. College, Safidon (Jind)

Lesson-plan Session 2025-26 (odd sem)

Teacher Name-Sanyogita

B.Com-I

Subject-Business
maths-I

August

Set Theory, equivalent set,
Power set, Venn Diagrams, Union
and intersections of sets

sept.

Logarithms, Law of operation
log tables, Arithmetic and
Geometric Progression

oct:

Matrices and determinants
Type of Matrices
Solⁿ. of a system of linear
Equations by Examples

November

Compound interest, Different
Type of interest rate.