

GOVERNMENT COLLEGE BIROHAR (JHAJJAR)

Summary of Lesson Plans of College Faculty for Academic Session 2025-26

of Assistant Professor: Dr Narender Singh

& Sem.: B MDC, 2nd Sem Subject: Mathematical Reasoning

Months

Topics/Chapters to be covered

Jan
2026

Analogy, Classification, Series Completion,
Coding - Decoding, Blood relation

Feb
2026

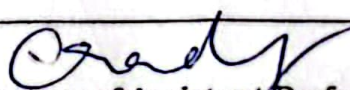
Puzzle test, sequential output tracing
Logical Venn Diagram.
Alphabet test, Number, Ranking and
time sequence test,

March
2026

Mathematical operation, Logical
sequence & word, Arithmetical Reasoning
Data Interpolation & Reasoning.
Tabulation, Bar Graphs, Line Graphs.

April
2026

Pie-Chart, Venn Diagrams,
Analytical Reasoning
mirror Images.


Signature of Assistant Professor

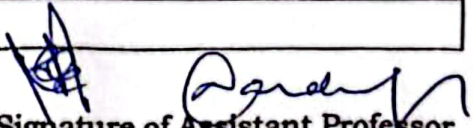
GOVERNMENT COLLEGE BIROHAR (JHAJJAR)

Summary of Lesson Plans of College Faculty for Academic Session 2025-26

Name of Assistant Professor: Dr Narender Singh

Class & Sem.: B.Sc 2nd, 4th Sem Subject: Real Analysis

Months	Topics/Chapters to be covered
Jan 2026	Finite & infinite sets, Countable and uncountable sets, Bounded sets, Supremum and infimum, Completeness property of \mathbb{R} , Archimedean property of \mathbb{R} .
Feb 2026	Riemann Integral, Integrability of continuous and monotonic functions, Fundamental theorem of integral calculus, mean value theorem of integral calculus, Improper Integrals and their convergence.
March 2026	Comparison test, Abel's and Dirichlet's test, Frullani's Integral as a function of a parameter, Continuity, differentiability and integrability of an integral of a function of a parameter.
April 2026	Jacobians, Beta and Gamma functions, Double and triple Integrals, Dirichlet's Integrals, Change of order of integration in double integrals.


Signature of Assistant Professor