

Government College Narnaund

LESSON PLAN

Name of the Assistant/Associate Professor : Mr. Sukhdev

Class And Section : B.A, B.Sc III 6th Sem

Subject Lesson Plan Real And Complex Analysis :

Week	Topic
16-01-2023 to 28-01-2023	Definiton and examples of metric spaces, neighborhoods, limit points, interior points,
30-01-2023 to 11-02-2023	Open and Closed Sets, Closure and interior, boundry points, subspace of a metric spaces
13-02-2023 to 25-02-2023	equivalent metrics,Cauchy Sequences,comletenessCantors intersection theorem
27-02-2023 to 12-03-2023	Baires category theorem,Contraction Priciple ,continuos funtions ,uniform continuity,
13-03-2023 to 25-03-2023	compactness for metric space,Bolzano-Weierstrass property, finite intersecon property,
27-03-2023 to 08-04-2023	Improper intergrals and their convergence, comparison tests, Abel's and Dirichlet's tests,
03-04-2023 to 08-04-2023	Frullani's integral, Coutinuity, and differentiability and intergability of an integral of a function
10-04-2023 to 15-04-2023	Topology of complex number: Trigonometric, exponential, logarithmic
17-04-2023 to 22-04-2023	Extended complex plane, Stereographic projection of complex number
24-04-2023 to 29-04-2023	Coutinuity, and differentiability complex number C-R Equations, harmonic functions.
01-05-2023 to 06-05-2023	construction of analytic functions: direct method and Milne- Thomson method.
08-05-2023 to 17-05-2023	Revision

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Subject Lesson Plan Solid Geometry :

Week	Topic
16-01-2023 to 28-01-2023	Central Conicoids: Equation of tangent Plane.
30-01-2023 to 11-02-2023	Director sphere.
13-02-2023 to 25-02-2023	Normal to the conicoids
27-02-2023 to 12-03-2023	Polar plane of point.
13-03-2023 to 25-03-2023	Enveloping cone of a coinicoid
27-03-2023 to 08-04-2023	Enveloping cylinder of coinicoid
03-04-2023 to 08-04-2023	Paraboloids: Circular section
10-04-2023 to 15-04-2023	Plane section of conicoids
17-04-2023 to 22-04-2023	Generating lines.
24-04-2023 to 29-04-2023	Confocal conicoid
01-05-2023 to 06-05-2023	Reduction of second degree eguation
08-05-2023 to 17-05-2023	Revision

