

Lesson Plan of B.Sc 6th semester

From 1st Jan 2024 to 31st Jan 2024

Jacobians, Beta and Gamma functions, Double and triple integrals, Dirichlet's integrals. Change of order of integration in double integrals. Fourier's series: Fourier expansion of piecewise monotonic function.

From 1st Feb 2024 to 29 Feb 2024


Properties of Fourier Coefficients, Dirichlet's conditions, Parseval's identity for Fourier series, Fourier series of even and odd functions, half range series, change of interval, extended complex plane, stereographic projection of complex.

From 01st March 2024 to 22 March 2024

Harmonic functions, mapping by elementary function: Translation, Rotation, Magnification and Inversion, conformal mappings, mobius transformations. Fixed points cross ratio, Inverse points and critical mappings.

From 01st April 2024 to 25 April 2024

Velocity and acceleration along radial, transverse, tangential and normal direction. Relative velocity and acceleration. Simple Harmonic motion. Elastic strings. Mass, Momentum and Force. Newton's law of motion, Work, Power and Energy. Definitions of conservative forces and Impulsive forces.


(Mr. Manish)
Incharge