

INDIRA GANDHI GOVT COLLEGE PANDARIA, DISTT. KABIRDHAM

ANNUAL TEACHING PLAN (ACADEMIC SESSION 2024-25)

SUBJECT : Mathematics

CLASS: B.Sc. III/III

Table 1

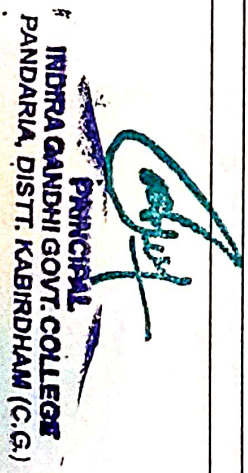
EXPECTE D MONTH	PAPER AND UNIT	TOPIC DESCRIPTION				Expected class	Tutorial / Remedial classes	Co-curricular activities	Extra curricular activities	Teaching Aids
		B.Sc. 1st sem and second sem	B.Sc. II	B.Sc. III						
July	B.Sc. - I sem. U1.	Basic and fundamental class. Contribution and Biography of Indian Mathematician.	Basic of knowledge of mathematics, function and differentiation	Set theory.	18+10+15=43	4	Plantation in campus	Cleanress programme	Chalk and board	
August	B.Sc.-I, U1, B.Sc. II - P1(U1,U2) B.Sc.-III- P1(U1,U2)	Sequence, Continuity and Differentiability	First order differentiation equation, Linear differential equation, exact differential equation, First order higher differentiation equation, Second order. Linear differential equations etc.	Metric space, Subspace of metric space, Contraction principal, Dense subset, Countable space, Complete order field, continuous function, compactness, connectedness.	21+21+21=63	4	Independence Day	Soft skill programme	PPT, Using ICT and Chalk board	
September	B.Sc.-1st sem. U2, B.Sc. II - P1(U2,U3) P1(U5,U3) B.Sc.-III- P1(U3,U4).	Expansion of function: Rolle's theorem, Lagrange's mean value theorem, Cauchy mean value theorem	Solution for homogeneous linear differential equation, method of variation of parameter etc.	Complex number and their geometrical representation, Continuity and differentiability, Elementary function, Mobious transformation, conformal mapping, Series of arbitrary term and double series, partial derivative, Fourier series	22+22+22=66	4	National Hindi Day,	Cleanress programme	Using ICT and Chalk board	
October	B.Sc. 1st sem - U3, B.Sc. II - P1(U5,U4), P2(U1) B.Sc.-III- P1(U5), P2(U1)	Curvature, Asymptotes and curve tracing	First order partial differential equation, Second order partial differential equation,	Riemann Integral, Improper integral, And their test of Convergence, Group automorphism, conjugacy relation, sylow's theorem and structure theorem, For finite abelian group.	25+25+25=75	4	Gandhi Jayanti,	Quiz competition	Using ICT and Chalk board	
November	B.Sc. 1st sem - U4, B.Sc. II - P1(U5), P2(U1), U3,U4) B.Sc.-III- P2(U2,U3)	Integration, elementary integration, transcendental function, Reduction formulae, definite integration.	Application :orthogonal trajectory, minimum velocity, Newton law of cooling, etc. Real number system, and their property, etc.	Ring theory, module, Vector space, Linear transformation. And their matrix representation, Rank and Nullity theorem, Dual, Adjoint, Eigen values, Eigen vector of a Linear transformation, Bilinear transformation, Quadratic form.	19+19+19 =57	4	Unity day.	Mathematics poem competition,	Using ICT and Chalk board	
December	B.Sc. 1st sem, U1,2,3,4, B.Sc.-II- P2(U2,U3) B.Sc.-III P2(U4,U5)	Revision	Convergence of sequence in R, property of sequence etc.	Inner product, Sets and propositional, Computability and formal language,	22+22+22 =66	4	National mathematics day	Sports Activity	Using ICT and Chalk board	
January	B.Sc. 2nd sem, U1 B.Sc. II - P2(U3,U4), B.Sc. III- P3(U1,U2)	Matrix Algebra	Infinite series, Cauchy criterion, D'Alembert test, Leibniz test etc. Riemann Integration. And its property, etc.	Relation and. Function, Graphs and Planar graphs, Finite state machine, Analysis of algorithms,	23+23+23=69	4	National youth day	essay writing competition,	Using ICT and Chalk board	
February	B.Sc. 2nd sem- U2, B.Sc. II P2(U5), B.Sc. III- P3(U3,U4,U5)	Set theory and function, Relations and functions,	Uniform convergence, Continuity and Improper Integrals, etc.	Recurrence relation and recursive algorithms, Boolean algebra,	23+23+23=69	4	Science day	Poster presentation competition	Using ICT and Chalk board	
March	B.Sc 2nd sem U3	Theory of equation	Revision	Revision						
April	B.Sc. 2nd sem U4	Group Theory								

Note: (1) Remedial and Tutorial class will be organised according to time table.

(2) Presentation/ Seminar/ Group discussion also take according as per plan.

(3) Co-curricular activities and Extra curricular activities are also organised as per plan.





PRINCIPAL
INDIRA GANDHI GOVT. COLLEGE
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