Table 1

INDIRA GANDHI GOVT COLLEGE PANDARIA, DISTT. KABIRDHAM

ANNUAL TEACHING PLAN (ACADEMIC SESSION 2022-23)

COURSE:UNDER GRADUATION.

SUBJECT:

NAME OF TEACHER: OMPRAKASH DEWANGAN

CLASS: B.Sc. (I/II/III)

EXPECTED MONTH	PAPER AND UNIT	TOPIC DESCRIPTION B.Sc. I	TOPIC DESCRIPTION B.Sc. II	TOPIC DESCRIPTION B.Sc. III	Expected class	Tutorial / Remedial classes	Co-curricular activities	Extra curricular activities	Teaching Aids
July		B.Sc. I	B.Sc. II	B.Sc. III					
August P1-U1,P1-U2		Elementary operation, matrix and its inverse, Rank of matrix, Eigen value and vector,System of linear equation, theory of equation,	Convergence of sequences, convergence of series of non-negative term, Alternative series, convergence, Continuity of function of two variable, differentiability, mean value theorem. And Taylor theorem,	Metric space, Subspace of metric space, Contraction principal, Dense subset, Countable space, Complete order field., continuous function, compactness,connedness.	21+21+21=63		Plantation in campus programme	Cleanness programme PPT, Using ICT and Chalk board	Chalk and board
September P1-U5, P1-U3		De. moivrs theorem and its applications.Hyperbolic function, logarithm of. Complex quality, expansion of trigonometry function, Relation ans mapping, group, cyclic group, normal subgroup permutation group,	Beta and Gamma functions, Double and Triple Integrals, Change of order of Integration, Limit and continuity of function of two variable, PD and Euler's theorem, Change of variable, Taylor,s theorem, Jacobians,	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		Independenc e Day,	National Hind Day, programme	Using ICT and Chalk board
October P1-U4, P2-U1		Homomorphism and isomorphism of group, fundamental theorem of homomorphism, Ring, Integral domain, field,Limit and continuity, differentiability, Leibnitz's, Theorem, Maclaurin's theorem, And Taylor's series,	Envelopes ,aan evaluates, Maxima, minima, and saddle point, Power series solution of DE, Bessel's equation, Legendre's equation, Sturm Llourills Problem	Riemann Integral, Improper integral, And their test of Convergence, Group automorphism, conjugacy relation, sylovi's theorem and structure theorem. For finite abelian group.	25+25+25=75	4	Gandhi Jayanti,	Quiz competition	Using ICT and Chalk board
November P2-U2, P2-U3,P2,P2-U4		Asymptotes, curvature, Concave and convexity, tracing of curve, Integration, Reduction formula, area under plane curve, Exact differential equation, of first order and differential equation, of first degree	Laplace Transformation, Invers Laplace transformation, Solution of IE and DE, PDE of first order, Lagranges solution, PDE of 2nd order, Homogenous and non homogenous equation, PDE and Monles method,	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.	19+19+19 =57	4	Unity day,	Mathematics poem competition.	Using ICT and Chalk board
December P2-U5, P3-U1		LDE of second order, Ordinary simultaneous DE of first order, Bessiar and vector product of 3 & 4 vector, vector differentiation, gradient, divergence and curl,	Calculus of variation, variational problem, sufficient condition for extremum, Equilibrium of coplanar force, stable and unstable, virtual work, catenary,	Inner product,Sets and propositional, Computability and formal language. Quadratic form.	22+22+22 =66	4	National mathematics day	Sports. Activity	Using ICT and Chalk board
January P3-U2,P3-U3		Vector Integration, Gauss greens and stokes theorem, system of conics, polar equation,	Forces in three dimension, Null lines and Null graphs, BHM, Elastic strings, velocity, and acceleration along radial and transvors direction, Projectile, Central orbits	Relation and. Function, Graphs and planar graphs, Finite state machine, Analysis of algorithms,	24+ 24+24=72	4	National youth day	essay writing competition,	Using ICT and Chalk board
February P3-U4, P3-U5		The sphere, the cone, the cylinder, central coincides, parabola, generating lines, confocal coincide, Reduction 2nd degree equation	Kepler's, Laws of motion, velocity and acceleration in tangential and Normal direction, motion of smooth and rough plane, Motion in a residance medium, motion of partical of varying mass, motion of. A particle in three dimension.	Recurrence relation and recursive algorithms, Boolean algebra.	24+24+24=72	4	Science day	Poster presentation competion	Using ICT and Chalk board
March		(Revision of some topic and career guidance programme	(Revision of some topic and career guidance programme	(Revision of some topic and career guidance programme		4			

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

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

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