

# Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

## STATEMENT OF SYLLABUS COVERED

Year: 2025- 2026

Name of the Teacher: Dr. S. P. Thorat

Term: 1<sup>st</sup>

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
Bsc. I (sem. I)	Calculus	I] Successive Differentiation	All	None	
		II] Higher order Derivative.			
		III] Leibnitz's Theorem and its examples			
		IV] Partial differentiation, and its examples			
		V] Geometrical inter- pretation of partial derivatives of first order.			
Bsc. I (sem I)	2DSC03MATH19	Examples of $n^{\text{th}}$ derivative	All	None	
		Examples on Leibnitz's Theorem			
		Example on partial differentiation.			

*Thorat*

Name and Sign of Teacher  
(Dr. S. P. Thorat)

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**HEAD**  
DEPARTMENT OF MATHEMATICS  
VIVEKANAND COLLEGE, KOLHAPUR  
(EMPOWERED AUTONOMOUS)

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Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
Bsc. II	2MIN03MAT32	I] Improper Integrals	All	None	
(Sem III)	Improper Integrals & Special Functions	• Gamma Function: Some identities Gamma Function			
		• Beta Function: Some identities Beta Function.			
		II] Improper Integrals involving a parameter and the Error Functions			
		• Defination and examples of improper integral involving a parameter.			
		• Error Function Integral erf(x)			
		• Expression for erf(x) in series			
		• Properties of error-integral function.			
		• Examples.			

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BSc. II (Sem III)	2MIND3MAT39	I] Gamma function	All	None	
		II] Defination of beta function			
		III] Identities of Beta function.			
		IV] Differentiation under integral sign.			
BSc. III (Sem V)	DSC03MAT53 Partial Differential Equation	I] Linear partial Differential Equation of order one.	All	None.	
		II] Non-linear Partial differential equation of order one.			
		III] Homogeneous linear Partial Differential equations with constant coefficient.			
		IV] Non-Homogeneous PDE with constant coefficient.			

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## STATEMENT OF SYLLABUS COVERED

Year: 2025- 2026

Name of the Teacher: Mr. G. B. Kolhe

Term: I<sup>st</sup>

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B.Sc. I Sem I	Basic Algebra	I] Algebra of complex numbers	All	None	
B.Sc. II sem II	Numerical Methods	I] Solution of Algebraic and Transcendental equations, Interpolation II] Numerical Integration, Numerical solution of ODE	All	None	
B.Sc. II (sem III)	2DSC03MAT39	III] Examples on numerical methods	All	None	
B.Sc. III (sem V)	Numerical Methods	I] Numerical Interpolation (For unequal intervals) II] Numerical Interpolation (For equal intervals) III] Numerical differentiation and integration IV] Solution of first order ordinary differential equation	All	None	

G. B. Kolhe

Name and Sign of Teacher

(Mr. Gaurav B. Kolhe)

Thorat

(Dr. S. P. Thorat)

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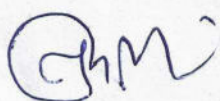
Year: 2025-2026

Name of the Teacher: Mr. M.A. Jadhav

Term: 1<sup>st</sup>

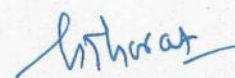
Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B.Sc.I Sem I	Basic Algebra	Matrices (1) def <sup>n</sup> & properties of Hermitian & Skew - Hermitian Matrix (2) Rank of matrix (3) system of Homogeneous & Non-homogeneous matrix (4) eigen value & eigen vector (5) caley Hamilton th <sup>m</sup>	All	None	
B.Sc.II Sem III	Computational Mathematics.	(I) Partial derivatives and Jacobians (II) Vector calculus Curl, divergence, Gradient definition and properties	All	None	



(Jadhav M.A.)

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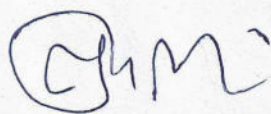
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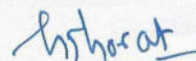
Term: 1<sup>st</sup>

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B.Sc. II	2XSC03MAT39	Introduction to python			
Sem-III		I) Expression and operator			
		II) Input output statement			
		III) Conditional statement	All	None	
		IV) Looping statement			
		V) function, modules, packages			
		VI) Numerical Method			
B.Sc. III	Abstract Algebra	I) Groups - Binary composition, Permutations, cyclic group, Abelian group			
		II) Normal subgroup	All	None	
		III) Rings			
		IV) Homo-morphism in Rings.			



(Jadhav m.A.)  
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# Vivekanand College, Kolhapur (An Empowered Autonomous Institute)

## STATEMENT OF SYLLABUS COVERED

Year: 2025- 2026

Name of the Teacher: Dr. S. M. Bargir

Term: 1<sup>st</sup>

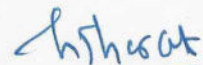
Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B. SC. II (Sem III)	2DSC03MAT 3a	Introduction to Programming in Scilab	All	None	
B. SC III	Real Analysis	i) Sequences of real numbers. ii) series of Real numbers iii) Riemann integral iv) Improper integral	All	None.	
B. SC III	DSC Mathematic <sup>lap.</sup> DSC03MAT 5a	Examples on sequences & series, Riemann Integral & Improper integral.	All	None	
B. SC III	VSC03MAT 5a	Introduction to scilab programm.	All	None.	



Name and Sign of Teacher

(Dr. S. M. Bargir)



(Dr. S. P. Thorat)

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Year: 2025- 2026

Name of the Teacher: Dr. S.M. Bangir

Term: 1<sup>st</sup>

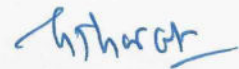
Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B.Com I	Business	1) Matrix	All	None.	
(Sem I)	Mathematics - I	(Def <sup>n</sup> of matrix, types of matrices, operations on matrices, inverse matrix, solution of system of linear equation by matrix method of (Gaussian rule.)			
		2) Linear Programming problem (Def <sup>n</sup> , formulation of L.P.P, solution of L.P.P by graphically & simplex method.			
B.Sc. I	20EC03MI S II	1) Examples on sets, Relation & function	All	None	
(Sem I)		2) Examples on Midpoint distance, Section formula. Examples on Geogebra.			



Name and Sign of Teacher

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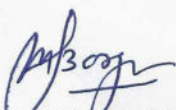
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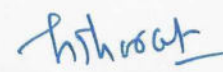
Name of the Teacher: Dr. S.M. Bargir

Term: 1<sup>st</sup>

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
M.Sc.I (Sem I)	Operations Research	1) <del>Exo</del> Concept of convex set, vector, convex cone, General form of L.P.P. 2) Simplex method for solving L.P.P. 3) Dynamic programming 4) some methods for solving nonlinear programming	All	None.	
M.Sc.II (Sem II)	Functional Analysis	1) Banach space 2) conjugate space & some theorems 3) Hilbert Space 4) Operator's (self adjoint operator Normal & unitary operator).	All	None.	

  
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Year: 2025- 2026


Name of the Teacher: Ms. A.D. Patil

Term: 1<sup>st</sup>

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
M.Sc.-I	Modern	I] Groups , Normal	All	None	
Sem-I	Algebra	subgroups, Solvable			
		group & Nilpotent gr.			
		subnormal series			
		II] Group Action			
		III] Ring of Polynomials			
		IV] Modules			
M.Sc.I	Numerical	I] Transcendental f	All	None	
Sem -I	Analysis - I	Polynomial equations			
		II] system of linear algebraic			
		Eq <sup>n</sup> & Eigen value problem			
M.Sc.II	Lattice	I] Basic Concepts of lattice	All	None	
Sem-III	Theory	Theory			
		II] special types of lattices			
		III] Ideal theory			
		IV] Stone Algebra			
M.Sc.-II	Advanced Discrete	I] Graph Theory	All	None	
Sem-III	Mathematics	II] Adjacency Matrix, Trees			

  
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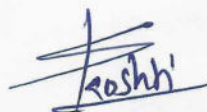
Year: 2025- 2026


Name of the Teacher: Ms. S. J. Koshti

Term: 1<sup>st</sup>

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B.Sc.I	Calculus	(I) Mean Value Theorem			
Sem I		(i) Rolle's Mean Value th <sup>m</sup>			
		(ii) Langrange's Mean Value th <sup>m</sup>	All	None	
		(iii) Cauchy's Mean Value th <sup>m</sup>			
		(II) Meaning of sign of derivative			
		III) Indeterminant form			
		(i) L'Hospital rule $\frac{0}{0}, \frac{\infty}{\infty}$			
		ii) $0 \times \infty, \infty - \infty, 0^0, 1^{\infty}, \infty^0$			
		IV) Expansion of fun <sup>n</sup> - Maclaurin's theorem & Taylor's theorem (statement only)			
B.Sc.I	DSC03MAT19	(I) Examples on Langrange's Mean Value th <sup>m</sup> , Rolle's Mean Value theorem, Cauchy's Mean Value theorem, (ii) Examples on L-Hospital rule,	All	None	
Sem I		(iii) Examples on expansion of function.			

  
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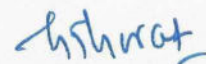
Term: 1<sup>st</sup>

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B.Sc.II Sem III	Differential Equations-II	I) Equations of first order but not first degree - solvable for $x, y$ & $P$ , Clairaut's form	All	None	
		II) Homogeneous linear eq's or Cauchy Euler's equations, Legendre's linear equations			
		III) Linear D.E. of second order.			
		IV) Simultaneous D.E.			
B.Sc.II Sem III	2DSC03MAT39	Examples of Differential equation - I) Examples on solvable for $x, y$ & $P$ II) examples on Cauchy-Euler's and Legendre's eqn III) Examples on DIFF <sup>n</sup> eq <sup>n</sup> of first order but not first degree.	All	None	



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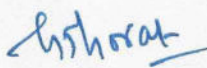
Name of the Teacher: Ms. S. J. Koshbi

Term: 1<sup>st</sup>

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B.Sc.II Sem III	20EC03MTS31	Number system, Simplification, Squareroot & cuberoot, calendar clocks, Boat & stream, Probability, Simplification, Simple & compound Interest	All	None	
M.Sc.I Sem I	Ordinary differ- ential equations.	Linear D.E. with constant coe., initial value problem, variation of constants, Sturm Liouville's theory, Legendre's equations, Euler's equations, Lipschitz's condition, Bessel's equation,	All	None	
B.Sc.III (Sem IV)	DSC03MAT59	Examples on Partial Differential equation.	All	None	

  
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Name of the Teacher: Dr. S.P.Thorat

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B.Sc II Sem IV	Integral Calculus	1. Gamma and Beta Function :	All	None	
		1.1. - Gamma function Properties of Gamma Function.			
		Examples.			
		1.2. Beta function Properties of Beta fun <sup>n</sup> Beta function and its examples			
		2. Differentiation under integral sign and Multiple Integration.			
		2.1. Leibnitz 1 <sup>st</sup> rule of D.U.I sign.			
		2.2. Leibnitz 2 <sup>nd</sup> rule & examples.			
		2.3. Multiple Integrals Ⓐ Double Integral in Cartesian & polar form Ⓑ changing order Ⓒ Triple integration			

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STATEMENT OF SYLLABUS COVERED Year: 2025- 2026

Name of the Teacher: Dr. S.P. Thorat

Term: II

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B.Sc. III	Complex Analysis	1. Analytic functions : Function of a complex variable, Continuity, Cauchy-Riemann Equation, Analytic function, Harmonic function.			
Sem VI		2. Elementary function : The Exponential function, logarithmic fun <sup>n</sup> , Trigonometric function	All	None	
		3. Integrals : Definite integrals of function, Contour, Contour integral, Cauchy Goursat theorem, Cauchy integral formula, Liouville's Theorem, Fund <sup>n</sup> theorem of Algebra			
		4. Series : Convergence of sequence and series, Laurentz series, Taylor's series, Singularity, Residue, zeroes and poles.			

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Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B.Sc. I Sem-II	Discrete Mathematics	I-Logic Propositional logic, predicates, Quantifiers, Rules of Inference,	All	None	
B.Sc. II sem IV	Laplace Transform	I-Laplace transform and Inverse Laplace transform	All	None	
B.Sc. II sem IV	DSC-IV B practical	Laplace transform	All	None	
B.Sc. III sem VI	Optimization Techniques.	I-Linear programming problem II-Transportation problem III-Assignment problem. IV-Theory of Games.	All	None	
B.Sc. III sem VI	DSC practical -VI	Optimization Techniques.	All	None	
M.Sc. II sem IV	Integral Equations	Unit-I - Integral Equations. Unit-II - Fredholm integral equation Unit-III - Volterra integral equation Unit-IV - Symmetric integral equation	All	None.	

G.B. Kolhe

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(Mr. Gaurav Basweshwar Kolhe)



G.B. Kolhe

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STATEMENT OF SYLLABUS COVERED Year: 2025- 2026

Name of the Teacher: Mehul Anun Jadhav

Term: II

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B.Sc. II	Core Course	i) Python Data structure	All	None	
II	Practical in	ii) Algebraic eq <sup>n</sup>			
major	mathematics	iii) Initial value Problem			
		iv) Data Visualisation			
—					
minor	Computational	i) Forward Difference	All	None	
	mathematics	ii) Backward Difference			
	for science II	iii) Newton's F/w Diff. formulae			
	DSC IV B	iv) B/w Diff. formulae			
	2DSC03MAT49	v) Lagrange's Interpolation			
		vi) General Interpolation			
		vii) Successive Approximation			
—					
minor	—	i) Interpolation: F/w ( $\Delta$ ),	All	None	
	(2MND03MAT41)	B/w ( $\nabla$ ), Central ( $\delta$ ),			
		Stirling ( $E$ ), mean ( $M$ )			
		2) Symbolic relations &			
		Separation of Symbols			
		3) F/w & B/w Diff.			
		4) F/w & B/w formulae			
		for interpolation			
		5) Examples,			

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(Jadhav M. A.)

Name & Sign of Teacher



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Department: Mathematics

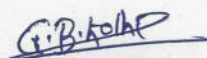
Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B.Sc III Minor	Basic of Operations Research (MINOR MATHS)	I) Linear programming problem Revising II) simplex method III) Big-M. Method IV) Transportation problem V) Northwest Corner VI) matrix-minima VII) Vogel's Approximation VIII) MODI method IX) Assignment Problem X) Unbalanced A.P. XI) A.P. with restriction XII) Game Theory XIII) Algebraic Arithmetic XIV) Dominance XV) SubGame XVI) Graphical	All	None	
—	MIN-PR-VI (MINOR MATHS)	I) E. P. P. II) Transportation Problem III) Assignment Problem IV) Theory of Games V) Python Problems	All	None	



(Jadhav M. A.)

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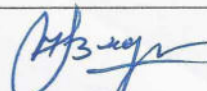
STATEMENT OF SYLLABUS COVERED Year: 2025- 2026

Name of the Teacher: Dr. S. M. Borgir

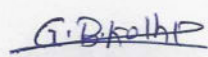
Term: II

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B.Sc-I sem II	Discrete Mathematics	II Graph Theory	All	None	
		2.1 Graphs:			
		1) Basic Terminology, Special types of			
		2) Graphs, Isomorphism			
		3) Adjacency & Incidence matrix of Graph, Problems.			
		2.2: Operations on Graph.			
		1) Subgraphs, Vertex deletion, Edge addition,			
		2) Complement & self-complement graphs.			
		3) Union, Intersection & product of graphs.			

  
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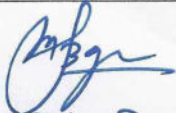
STATEMENT OF SYLLABUS COVERED Year: 2025- 2026

Name of the Teacher: Dr. S.M. Bargir

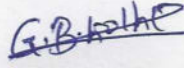
Term: II

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B.Sc III sem VI	Metric space.	1 - Limit & metric space, 1.1 - limit of a fun <sup>n</sup> on the real line, 1.2 Metric space, 1.3 Limit in metric space.	All	None	
		2 - Continuous fun <sup>n</sup> on metric space. 2.1: Fun <sup>n</sup> contin <sup>n</sup> at a point on the real line, 2.2. Fun <sup>n</sup> continuous on a metric space, 2.3 - Open, closed set's, Dis continuous	All	None	
		3 - Connectedness & completeness. connected set, bdd & totally bdd sets. complete metric space.	All	None	
		4 - compactness & continuous fun <sup>n</sup> .		None	

  
Dr. S.M. Bargir  
Name & Sign of Teacher



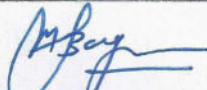
  
(Mr. G.B. Kolhe)  
HEAD  
DEPARTMENT OF MATHEMATICS  
VIVEKANAND COLLEGE, KOLHAPUR  
(EMPOWERED AUTONOMOUS)

Name of the Teacher: Dr. S.M. Baogir

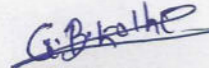
Term: II

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B.Sc. III Sem. II	Numerical Methods using scilab	1- Basic elements of scilab as a programming language  2- conditional structure.  3- Looping structure  3- Functions - Recursive fun <sup>n</sup> . - Plotting graph.  4- Numerical Methods. - R-K 2 <sup>nd</sup> & R-K 4 <sup>th</sup> order, - Trapezoidal - Simpsons 1/3 <sup>rd</sup> & 3/8 <sup>th</sup> - Weddles method.	All	None	

  
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(EMPOWERED AUTONOMOUS)

Name of the Teacher: Dr. S. M. Bargar

Term: II

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
M.Sc.I sem-II	General Topology	1- Topological space, limit points, closed sets & closure, Interior, topology, bases, sub bases, subspace topology.	All	None	
		2- connected spaces Components, compact space, continuous fun <sup>n</sup> Homeomorphism.	All	None	
		3- Separation Axioms $T_0, T_1, T_2$ -spaces, 1st & 2nd axioms, separable spaces. Regular & $T_3$ space.	All	None	
		4- completely Regular & $T_{3.5}$ -spaces completely Normal $T_5$ -space, product space.	All	None	

  
(Dr. S. M. Bargar)  
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STATEMENT OF SYLLABUS COVERED Year: 2025- 2026

Name of the Teacher: Ms. A. D. Patil

Term: II

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
M.Sc. I (Sem- I)	Linear Algebra	I] Vector Space, Direct sum, dual space, Annihilator of subspace II] Inner Product Space, Eigen value, eigen vectors, Diagonalization Invariant subspace III] Canonical forms, Nilpotent Transformation, Jordan blocks & forms. IV] Hermitian, self-adjoint, Unitary, normal transformation.	All	None	
M.Sc. II (Sem- II)	Partial Differential Equations	I] First order partial diff. eqn II] Cauchy Problem III] Method of separation of variables IV] Laplace Equation	All	None	
M. Sc. II (Sem- II)	Combinatorics	I] Permutation & Combination II] Inclusion-Exclusion Principle III] Generating Functions IV] Group theory in Combinatorics.	All	None	

(Ms. A. D. Patil)  
Name & Sign of Teacher



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STATEMENT OF SYLLABUS COVERED Year: 2025- 2026

Name of the Teacher: Ms. S. J. Kashti

Term: II

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B.Sc. I Sem I	Differential Equation - I	(I) Exact Differential Equation (II) Linear Differential Equation (III) Bernoulli Differential Equation (IV) Application of differential Equation. (V) Orthogonal trajectories (VI) Linear Differential Equation of constant coe. * Auxiliary equation, (VII) Complementary function. (VIII) Particular Integral i) $e^{ax}$ ii) $\sin ax, \cos ax$ iii) $x^m$ iv) $e^{ax} \cdot v$ v) $x \cdot v$	All	None	

*Kashti*

Ms. S. J. Kashti  
Name & Sign of Teacher



*G. B. Kolhe*

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STATEMENT OF SYLLABUS COVERED Year: 2025- 2026

Name of the Teacher: Ms -Shweta J. Koshti

Term: II

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
MScI	Number Theory	1) The division Algorithm, G.C.D. 2) Euclidean Algorithm 3) Fundamental theorem of arithmetic, The Goldbach conjecture. 4) Congruences: Properties of congruences. 5) Chinese Remainder Theorem 6) Fermat theorem, Wilson's theorem 7) Euler's phi-function, Euler's theorem 8) Mobius function and mobius inversion formula 9) Primitive roots. 10) The theory of indices 11) The quadratic reciprocity law 12) The Legendre symbol and its properties.	All	None	

*Koshti*

Ms.S.J. Koshti  
Name & Sign of Teacher



*G.B. Kolhe*

(Mr. G.B. Kolhe)

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Vivekanand College Kolhapur (An Empowered Autonomous Institute)


STATEMENT OF SYLLABUS COVERED Year: 2025- 2026

Name of the Teacher: Ms. Rutuja R. Sawant.

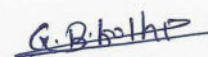
Term: II

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
BSc. I Sem II	Quantitative Aptitude	1) HCF and LCM 2) Logarithm 3) Average and Percentage 4) Profit and Loss 5) Ratio and Proportion 6) Partnership 7) Pipe and Cistern 8) Time and work 9) Time and distance 10) Trains.	All	None	
BSc. II Sem IV	Applied Quantitative Aptitude and Logical Thinking.	1) Ages 2) Surd & Indices 3) Height and distance 4) Blood Relationship 5) Arithmetic Progression 6) Geometric Progression 7) Area 8) Volume and Surface area 9) Odd man out and Series 10) Permutation and Combinations	All	None	

  
Rutuja R. Sawant  
Name & Sign of Teacher



  
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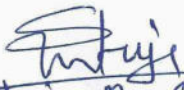
STATEMENT OF SYLLABUS COVERED Year: 2025- 2026

Name of the Teacher: Ms. Rutuja R. Sawant


Term: II

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
B.Com. I sem II	Business Mathematics III	1) Differentiability and its applications and second order derivative.	All	None	
		2) Integration. - By substitution method - Integration by parts.			
	Business Mathematics IV	1) Permutation and combination. - Permutation results - circular permutation - Restriction permutation - Combinations.	All	None	
		2) Transportation and Assignment problems - Reduced matrix method - Maximization in assignment problem - Unbalanced problem - North west rule - matrix minimal method.			

  
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STATEMENT OF SYLLABUS COVERED Year: 2025- 2026

Name of the Teacher: Rutuja R. Sawant

Term: II

Department: Mathematics

Class	Subject	Syllabus Assigned (Units)	Syllabus Covered	Syllabus Not to Covered	Remark
MSc.I Sem II	Numerical Analysis-II	1. Interpolation, differentiation and integration. 1.2. Numerical differentiation method based on interpolation 1.3. Numerical Integration 1.4. Newton's - Coty Method 1.5. Error Estimate for trapezoidal and Simpson's rule. 2.1. Numerical solutions of differential equations: 2.2 Euler's method 2.2. Order of method: Taylor's series method 2.3. Convergence and stability of numerical method 2.4. Error analysis.	All	None	

*Rutuja*

Name & Sign of Teacher



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