



Shikshan Prasarak Mandal, Anadur's
Jawahar Arts, Science & Commerce College,
Anadur, Tq. Tuljapur, Dist- Osmanabad -413603

INTERNAL QUALITY ASSURANCE CELL

Annual / Semester Teaching Plane 2019 – 20

Subject : Mathematics

Name of Teacher: Shri. Agalave S. D.

Class : B. Sc. I

Semester : I

Paper No. : MAT-102

Name of Paper : Differential Equations

Total Period : 60

Sr. No.	Month	Total Periods of Month	Name of Chapter/ Unit	Teaching Method Use	Remark
1	June	----	Admission Process	----	
2	July	16	Prerequisite. Equations of the first order and of the first degree.	Lectures with given notes	
3	August	15	Linear equations with constant coefficients. Linear equations with variable coefficients.	Lectures with ICT with given notes	
4	September	15	Exact differential equations and equations of particular form.	Lectures with given notes	
5	October	11	Ordinary differential equations with more than two variables. Partial differential equations.	Lectures with given notes	
6	November	10	Revision, Paper solution and Semester I Examination.	Problem Solving	

Agalave
Teacher

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SHRI. AGALAVE S. D.
Head, Department of Mathematics
Jawahar Arts, Science & Commerce College
Anadur, Dist. Osmanabad - 413 603

[Signature]
Principal
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INTERNAL QUALITY ASSURANCE CELL

Annual / Semester Teaching Plane 2019 – 20

Subject : Mathematics

Name of Teacher: Shri. Agalave S. D.

Class : B. Sc. II

Semester : III

Paper No. : MAT-301

Name of Paper : Number Theory

Total Period : 60

Sr. No.	Month	Total Periods of Month	Name of Chapter/ Unit	Teaching Method Use	Remark
1	June	05	Admission Process & Basic concepts	Lectures with given notes	
2	July	16	Divisibility Theory in the integers. Primes and their distribution.	Lectures with given notes	
3	August	14	The theory of congruences.	Lectures with ICT with given notes	
4	September	13	Fermat's Therom.	Lectures with given notes	
5	October	14	Number-Theoretic function. Euler's Generalization of Fermat's theorem.	Lectures with given notes	
6	November	10	Revision, Paper solution and Semester III Examination	Problem Solving	

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Annual / Semester Teaching Plane 2019 – 20

Subject : Mathematics

Name of Teacher: Shri. Agalave S. D.

Class : B. Sc. II

Semester : III

Paper No. : MAT-303

Name of Paper : Mechanics - I

Total Period : 60

Sr. No.	Month	Total Periods of Month	Name of Chapter/ Unit	Teaching Method Use	Remark
1	June	05	Admission Process & Basic concepts.	Lectures with given notes	
2	July	15	Forces acting on a particle.	Lectures with given notes	
3	August	13	Equilibrium of forces acting on a particle.	Lectures with given notes	
4	September	14	Forces acting on a Rigid body.	Lectures with ICT with given notes	
5	October	13	Centre of gravity.	Lectures with given notes	
6	November	13	Revision, Paper solution and Semester III Examination	Problem Solving	

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Annual / Semester Teaching Plane 2019 – 20

Subject : Mathematics

Name of Teacher: Shri. Agalave S. D.

Class : B. Sc. III

Semester : V

Paper No. : MAT - 504

Name of Paper : Ordinary Differential Equations - I

Total Period : 60

Sr. No.	Month	Total Periods of Month	Name of Chapter/ Unit	Teaching Method Use	Remark
1	June	05	Admission process and Basic concepts.	Lectures with given notes	
2	July	13	Preliminaries: Introduction, Complex numbers, functions.	Lectures with given notes	
3	August	13	Polynomials Complex series and the exponential function, Determinants.	Lectures with given notes	
4	September	14	Linear equations of the first order.	Lectures with given notes	
5	October	13	Linear equations with constant coefficients.	Lectures with given notes	
6	November	12	Revision, Paper solution and Semester V Examination	Problem Solving	

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Annual / Semester Teaching Plane 2019 – 20

Subject : Mathematics

Name of Teacher: Shri. Agalave S. D.

Class : B. Sc. I

Semester : II

Paper No. : MAT-202

Name of Paper : Geometry

Total Period : 60

Sr. No.	Month	Total Periods of Month	Name of Chapter/ Unit	Teaching Method Use	Remark
1	December	09	The Plane	Lectures with given notes	
2	January	16	Right Line	Lectures with ICT with given notes	
3	February	14	Sphere, Cones	Lectures with given notes	
4	March	16	Cylinders. The conicoid.	Lectures with given notes	
5	April	06	Revision, Paper solution and Semester II Examination.	Problem Solving	

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Annual / Semester Teaching Plane 2019 – 20

Subject : Mathematics

Name of Teacher: Shri. Agalave S. D.

Class : B. Sc. II

Semester : IV

Paper No. : MAT- 403

Name of Paper : Mechanics - II

Total Period : 60

Sr. No.	Month	Total Periods of Month	Name of Chapter/ Unit	Teaching Method Use	Remark
1	December	10	Kinematics and dynamics of a particle in two dimensions.	Lectures with given notes	
2	January	15	Kinetics of a particle.	Lectures with given notes	
3	February	15	Motion of a projectile and motion in a resisting medium.	Lectures with given notes	
4	March	15	Central orbits.	Lectures with ICT with given notes	
5	April	06	Revision, Paper solution and Semester IV Examination.	Problem Solving	

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Annual / Semester Teaching Plane 2019 – 20

Subject : Mathematics

Name of Teacher; Shri. Agalave S. D.

Class : B. Sc. III

Semester : VI

Paper No. : MAT- 602

Name of Paper : Abstract Algebra - II

Total Period : 60

Sr. No.	Month	Total Periods of Month	Name of Chapter/ Unit	Teaching Method Use	Remark
1	December	09	Ring Theory : Definition and examples of rings.	Lectures with given notes	
2	January	16	Some special classes of rings.	Lectures with given notes	
3	February	13	Homomorphisms, Ideals and Quotient rings.	Lectures with ICT with given notes	
4	March	15	More ideals and Quotient rings, Euclidean rings, Polynomial rings.	Lectures with given notes	
5	April	07	Revision, Paper Solution and Semester VI Examination	Problem Solving	

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Annual / Semester Teaching Plane 2019 – 20

Subject : Mathematics

Name of Teacher: Shri. Agalave S. D.

Class : B. Sc. III

Semester : VI

Paper No. : MAT- 604

Name of Paper : Ordinary Differential Equations - II

Total Period : 60

Sr. No.	Month	Total Periods of Month	Name of Chapter/ Unit	Teaching Method Use	Remark
1	December	08	Linear equations with variable coefficients : Art.1, 2, 3.	Lectures with given notes	
2	January	15	Linear equations with variable coefficients : Art. 4, 5, 6.	Lectures with given notes	
3	February	14	Linear equations with variable coefficients : Art. 7, 8. Linear equations with Regular singular points Art.1, 2.	Lectures with given notes	
4	March	15	Linear equations with Regular singular points Art.3, 4, 7, 8.	Lectures with given notes	
5	April	06	Revision, Paper Solution and Semester VI Examination.	Problem Solving	

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