



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

**Teaching Plan 2017-18**

Name of the Teacher: Madhuri N. Gadsing

Department - Mathematics

Class: B. Sc. I

Semester: I

Paper No.: MAT-101

Name of the Paper: Differential Calculus

Total Periods: 60

Sr. No.	Month	Total Periods of Month	Name of the Chapter/ Unit	Teaching Method to be Used	Remarks
1	June	----	Admission Process	----	
2	July	15	Prerequisite. Basic concepts-Limits and continuity, Derivatives,	Lectures with given notes	
3	August	18	1] Differentiations. 2] Successive Differentiation	Lecture with ICT and given notes	
4	September	17	3] Mean Value Theorem 4] Partial Differentiation.	Lectures with given notes	
5	October	10	5] Vector Differentiation. Revision and paper solution.	Lectures with given notes	
6	November		Semester Exam	Lectures with given notes	

Teacher

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

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**Teaching Plan 2017-18**

Name of the Teacher: Madhuri N. Gadsing

Department - Mathematics

Class: B. Sc. I

Semester: II


Paper No.: MAT-201


Name of the Paper: Integral Calculus

Total Periods: 60

Sr. No.	Month	Total Periods of Month	Name of the Chapter/ Unit	Teaching Method to be Used	Remarks
1	December	15	1] Reduction Formulae	Lectures with given notes	
2	January	18	2] Integration of Rational Algebraic Function 3] Integration of Trigonometric Function	Lectures with given notes	
3	February	17	4] Rectification 5] Areas of Plane Region 6] Volumes of Revolution	Lectures with given notes	
4	March	10	7] Integral Transformation Revision	Lectures with given notes	
5	April		Semester Exam	Lectures with given notes	

  
Teacher

  
**SHRI. ACHUDAVE S. D.**  
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**Teaching Plan 2017-18**

Name of the Teacher: Madhuri N. Gadsing

Department - Mathematics

Class: B. Sc. II

Semester: III

Paper No.: MAT-302


Name of the Paper: Integral Transform

Total Periods: 60

Sr. No.	Month	Total Periods of Month	Name of the Chapter/ Unit	Teaching Method to be Used	Remarks
1	June	----	Admission Process	----	
2	July	15	Basic Concepts, Prerequisite Beta and Gamma functions	Lecture with ICT and given notes	
3	August	18	Laplace Transforms	Lectures with given notes	
4	September	18	Inverse Laplace Transforms Application to Differential Equations	Lectures with given notes	
5	October	10	Problems related to Ordinary Differential Equations.  Fourier Transform Revision and Paper solution.	Lectures with given notes	
6	November		Semester Exam		

  
Teacher

  
**SHRI. AHODAVE S. D.**  
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**Teaching Plan 2017-18**

Name of the Teacher: Madhuri N. Gadsing

Department - Mathematics

Class: B. Sc. III


Semester: V


Paper No.: MAT-501


Name of the Paper: Real Analysis-I

Total Periods: 60

Sr. No.	Month	Total Periods of Month	Name of the Chapter/ Unit	Teaching Method to be Used	Remarks
1	June	----	Admission Process	----	
2	July	15	Basic Concepts, Prerequisite 1] Functions	Lecture with ICT and given notes	
3	August	18	2] Sequences of Real Numbers	Lecture with ICT and given notes	
4	September	17	3] Series of Real Numbers	Lectures with given notes	
5	October	10	4] Fourier Transform Revision and Paper solution	Lectures with given notes	
6	November		Semester Exam.	Lectures with given notes	

  
Teacher

  
**SHRI. A. S. D. SOGALAVE S. D.**  
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**Teaching Plan 2017-18**

Name of the Teacher: Madhuri N. Gadsing

Department - Mathematics

Class: B. Sc. III

Semester: V


Paper No.: MAT-502

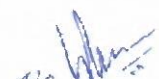
Name of the Paper: Abstract Algebra I

Total Periods: 60

Sr. No.	Month	Total Periods of Month	Name of the Chapter/ Unit	Teaching Method to be Used	Remarks
1	June	----	Admission Process	----	
2	July	15	Basic Concepts, Prerequisite-Set theory 1] Group Theory	Lecture with ICT and given notes	
3	August	17	Properties, Lemmas, Examples Subgroup, Normal Subgroup	Lectures with given notes	
4	September	18	Quotient group, Homeomorphism, Automorphism	Lectures with given notes	
5	October	10	2] Ring Theory.	Lectures with given notes	
6	November		Semester Exam	Lectures with given notes	

  
Teacher

  
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HOD  
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**Teaching Plan 2017-18**

Name of the Teacher: Madhuri N. Gadsing

Department - Mathematics

Class: B. Sc. II

Semester: IV

Paper No.: MAT-401

Name of the Paper: Numerical Methods

Total Periods: 60

Sr. No.	Month	Total Periods of Month	Name of the Chapter/ Unit	Teaching Method to be Used	Remarks
1	December	15	1] Solution of Algebraic and Transcendental Equations.	Lectures with given notes	
2	January	18	2] Interpolation.	Lectures with given notes	
3	February	17	3] Curve Fitting. 4] Solutions of Linear System of Equations	Lectures with given notes	
4	March	10	5] Numerical Solution of Ordinary Differential Equation.	Lectures with given notes	
5	April		Semester VI Examination		

Teacher

**SHRI. ATALAVE S. D.**  
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**Teaching Plan 2017-18**

Name of the Teacher: Madhuri N. Gadsing

Department - Mathematics

Class: B. Sc. II

Semester: IV

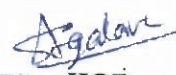
Paper No. : MAT-402


Name of the Paper: Partial Differential Equations

Total Periods: 60

Sr. No.	Month	Total Periods of Month	Name of the Chapter/ Unit	Teaching Method to be Used	Remarks
1	December	15	1] Partial Differential Equations Of Order one.	Lecture with ICT and given	
2	January	15	2] Non-Linear Partial Differential Equations.	Lecture with ICT and given notes	
3	February	17	3] Linear Partial Differential Equations.	Lectures with given notes	
4	March	10	4] Partial Differential Equations of Second Order	Lectures with given notes	
5	April	5	Semester VI Examination	Lectures with given notes	

  
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**SHRI. AGALAVE S. D.**  
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**Principal**  
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**Teaching Plan 2017-18**

Name of the Teacher: Madhuri N. Gadsing

Department - Mathematics

Class: B. Sc. III

Semester: VI


Paper No.: MAT-601


Name of the Paper: Real Analysis-II

Total Periods: 60

Sr. No.	Month	Total Periods of Month	Name of the Chapter/ Unit	Teaching Method to be Used	Remarks
1	December	15	1] Limits in metric spaces 2] Continuous functions on metric spaces	Lecture with ICT and given notes	
2	January	18	3] Connectedness, completeness and compactness	Lectures with given notes	
3	February	17	4] Calculus	Lectures with given notes	
4	March	10	5] Fourier Series	Lectures with given notes	
5	April		Semester VI Examination	Lectures with given notes	

  
Teacher

  
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Principal  
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