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INTERNAL QUALITY ASSURANCE CELL

Teaching Plan 2018-19

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	18	Prerequisite. Basic concepts-Limits and continuity, Derivatives, Trigonometric relations. 1] Differentiations.	Lecture with ICT and given notes	
3	August	20	2] Successive Differentiation 3] Mean Value Theorem	Lecture with ICT and given notes	
4	September	17	4] Partial Differentiation. 5] Vector Differentiation.	Lectures with given notes	
5	October	05	Revision, Semester Exam		
6	November		Winter Vacation		

Teacher

SHRI. AGDLAVE S. D.
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Teaching Plane 2018-19

Name of the Teacher: Madhuri N. Gadsing

Class: B. Sc. II **Semester: III**

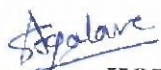**Name of the Paper: Integral Transform**

Department - Mathematics

Paper No.: MAT-302

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	18	Basic Concepts, Preriquisite 1] Beta and Gamma functions	Lecture with ICT and given notes	
3	August	20	2] Laplace Transforms 3] Inverse Laplace Transforms	Lectures with given notes	
4	September	17	Application to Differential Equations Problems related to Ordinary Differential Equations Fourier Transform	Lectures with given notes	
5	October	05	Revision and Paper solution. Semester Exam		
6	November		Semester Exam		

Teacher

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Teaching Plan 2018-19

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	18	Basic Concepts, Prerequisite 1] Functions	Lecture with ICT and given notes	
3	August	20	2] Sequences of Real Numbers	Lecture with ICT and given	
4	September	17	3] Series of Real Numbers 4] Fourier Transform	Lectures with given notes	
5	October	05	4] Fourier Transform Revision and Paper solution	Lectures with given notes	
6	November		Semester Exam		

Teacher

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Teaching Plan 2018-19

Name of the Teacher: Madhuri N. Gadsing

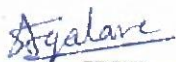**Department - Mathematics**

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	18	Basic Concepts, Preriquisite- Set theory 1] Group Theory	Lecture with ICT and given notes	
3	August	20	Subgroup, Normal Subgroup Quotient group	Lectures with given notes	
4	September	17	Homeomorphism, Automorphism	Lectures with given notes	
5	October	05	2] Ring Theory.	Lectures with given notes	
6	November		Semester Exam	-	

Teacher

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Teaching Plan 2018-19

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	18	1] Reduction Formulae 2] Integration of Rational Algebraic Function	Lectures with given notes	
2	January	17	3] Integration of Trigonometric Function 4] Integration of Limit of Sum 5] Rectification	Lectures with given notes	
3	February	15	6] Areas of Plane Region 7] Volumes if Revolution	Lectures with given notes	
4	March	10	7] Integral Transformation. Semester Exam	Lectures with given notes	
5	April		Semester Exam	Lectures with given notes	

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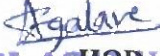**Name of the Teacher: Madhuri N. Gadsing**   **Department - Mathematics**

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	18	1] Solution of Algebraic and Transcendental Equations.	Lectures with given notes	
2	January	17	2] Interpolation. 3] Curve Fitting.	Lectures with given notes	
3	February	15	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

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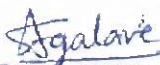**Name of the Teacher: Madhuri N. Gadsing**　　　　**Department - Mathematics**

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	18	1] Partial Differential Equations Of Order one.	Lecture with ICT and given notes	
2	January	17	2] Non-Linear Partial Differential Equations.	Lecture with ICT and given notes	
3	February	15	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		Semester VI Examination		

Teacher

Agalave
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Teaching Plan 2018-19

Name of the Teacher: Madhuri N. Gadsing **Department - Mathematics**

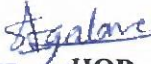**Class: B. Sc. III**   **Semester: VI**   **Paper No.: MAT-601**

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	18	1] Limits in metric spaces 2] Continuous functions on metric spaces	Lecture with ICT and given notes	
2	January	17	3] Connectedness, completeness and compactness	Lectures with given notes	
3	February	15	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	

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