

RAHUL

P. A. Final

2023-24

1st Introduction, set, group, syllabus... etc

2nd Metric Spaces Part - I

3rd Metric Spaces Part - II

4th Completeness in Metric spaces.

5th Continuity in Metric Space

6th Uniform Continuity in Metric Space.

7th Compactness in Metric space

8th Connectedness in Metric space

9th Improper Integral and their Convergence

10th Integral as function of parameter

11 Topology of Complex Numbers - I

12. Topology of Complex Numbers - II

13. Calculus of complex function - I

14. Calculus of complex function - II

15



RAHUL

DA 4th sem. 2023-24.

1st week
Jan

Introduction to the subject.

2nd week
Jan

Formation of Partial Differential Eq.

3rd week
Jan

First Order linear Partial Differential Eq.

4th week
Jan

First Order Non-Linear Partial D. Eq.

1st week
Feb

Linear Partial Differential Equations of Second.

2nd week
Feb

Partial Differential Equation with Variable

Coefficients.

3rd week
Feb

Classification and Canonical forms of second.

4th week
March

Mangrel's method for PDE.

1st week

Characteristics of second order Part-I

2nd week
March

Characteristics of second order Part-II

3rd week
March

Method of Separation of Variable:

4th week
March

Power Series

1st week
April

Bessel's Equation and Bessel's function Part-I

2nd week
April

Bessel's Equation and Bessel's function Part-II

3rd week
April

Legendre's Equation Part I

4th week
April

Legendre's Equation Part II

RahulExt. Lect. Rahul
Dep't. of Maths.

NAME OF ASSISTANT PROFESSOR

Class

Section

Roll No

B.A 2nd sem.

2023-24

Week

Date

1st

Introduction. Exact Differential Eq

2nd

Exact Differential Eq.

3rd. Equations of first order but not of first D

4th. Orthogonal Trajectories.

5th. Linear Diff. Eq. with constant-coefficients-1

6th. Linear D.E. with constant-coefficients-II

7th. Homogeneous Linear Equations

8th. Linear D.E. of second order - I

9th. Linear D.E. of 2nd order - II

10th. Ordinary Simultaneous Diff. Eq.

11th. Laplace Transforms - I

12th. Laplace Transforms - II

13th. Inverse Laplace Transforms.

14th. Solution of D.E. by Laplace. Transfer number

1st week Jan
 2nd week Jan
 3rd week Jan
 4th week Jan
 1st week Feb
 2nd week Feb
 3rd week Feb
 4th week Feb
 1st week March
 2nd week March
 3rd week March
 4th week March
 1st week April
 2nd week April
 3rd week April
 4th week April

Introduction to the subject.
 Formation of Partial Differential Eq.
 First Order Linear Partial Differential Eq.
 First Order Non-Linear Partial D Eq
 Linear Partial Differential Equations of Second
 Partial Differential Equations with Variable
 Coefficients
 Classification and Canonical Form of 2nd
 Monge's Method for P.D.E.
 Characteristics of second order Part-I
 Characteristics of second order Part-II
 Method of Separation of Variable:
 Poisson's Series
 Bessel's Equation and Bessel's Function Part-I
 Bessel's Equation and Bessel's Function Part-II
 Legendre's Equation Part I
 Legendre's Equation Part II

Tan

Ext. Lect. Partial
 Vol. of Maths.

Rank - I

D.A 2nd sem.

2023-24

- 1st. Introduction. Exact Differentiated Eq
- 2nd. Exact Differentiated Eq.
- 3rd. Equations of first order but not of P.D.
- 4th. Orthogonal Trajectories
- 5th. Linear Diff. Eq. with Constant Coefficients - I
- 6th. Linear D.C. with Constant Coefficients - II
- 7th. Homogeneous Linear Equations
- 8th. Linear D.C. of second order - I
- 9th. Linear D.C. of 2-1 order - II
- 10th. Ordinary Simultaneous Diff. Eq.
- 11th. Laplace Transforms - I
- 12th. Laplace Transforms - II
- 13th. Inverse Laplace Transforms
- 14th. Solution of D.E. by Laplace Transforms