

Department of Mathematics
Advanced Learner Classes in Mathematics 2023-24
2023-24

S.N.	Date	Class	Paper	Name of the paper	Teach by	Topic
1	07.12.2023	MSc-3 Sem mathematics	paper- First	Functional Analysis	Jaynendra Shrivias	Lebesgue Decomposition Theorem
2	07.12.2023	MSc-1 Sem mathematics	paper- First	Advanced Abstract Algebra	Jaynendra Shrivias	Algebraic Extension Theorem
3	09.12.2023	MSc-3 Sem mathematics	paper- Second	PDE	Priya Chandrakar	Eular Lagrange Theorem
4	09.12.2023	MSc-1 Sem mathematics	paper- Second	Real Analysis	Priya Chandrakar	Inverse Function Theorem
5	11.12.2023	MSc-3 Sem mathematics	paper-Third	Fuzzy set theory	Priya Chandrakar	Fuzzy Equivalence Theorem
6	11.12.2023	MSc-1 Sem mathematics	paper-Third	Topology	Priya Chandrakar	Alexenders sub-basis theorem
7	12.12.2023	MSc-3 Sem mathematics	paper-fourth	Operation Research	Jaynendra Shrivias	Interior Point Algorithm
8	12.12.2023	MSc-1 Sem mathematics	paper-fourth	Adv. complex analysis	Jaynendra Shrivias	Cross Ratio Multiplication
9	13.12.2023	MSc-3 Sem mathematics	paper-fifth	Graph Theory	Dr. R. K. Verma	k-vertex colourable graph
10	13.12.2023	MSc-1 Sem mathematics	paper-fifth	Adv. Discrete Maths	Dr. R. K. Verma	Language and Grammer-Examples
11	14.12.2023	BSc-2 Mathematics	paper-first	Advance Calculus	Jaynendra Shrivias	Absolute and Conditional Convergence
12	15.12.2023	BSc-2 Mathematics	paper-second	Differential Equation	Priya Chandrakar	Legendre's Function $P_n(x)$
13	16.12.2023	BSc-2 Mathematics	paper-first	Advance Calculus	Jaynendra Shrivias	Taylor's Theorem for two variables
14	12.01.2024	BSc-2 Mathematics	paper-first	Advance Calculus	Dr. R. K. Verma	Envelop and Evolute, Examples


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College Patan, Distt.-Durg (C.G.)

DEPARTMENT OF MATHEMATICS 2023-24

Department of Mathematics
Advanced Learner Classes in Mathematics 2023-24
2023-24

S.N.	Date	Class	Paper	Name of the paper	Teach by	Topic
1	07.12.2023	MSc-3 Sem	paper-1	Functional Analysis	Jaynendra Shrivastava	Lebesgue Decomposition Theorem
2	07.12.2023	MSc-1 Sem	paper-1	Advanced Abstract Algebra	Jaynendra Shrivastava	Algebraic Extension Theorem
3	09.12.2023	MSc-3 Sem	paper-II	PDE	Priya Chandrakar	Euler Lagrange Theorem
4	09.12.2023	MSc-1 Sem	paper- II	Real Analysis	Priya Chandrakar	Inverse Function Theorem
5	11.12.2023	MSc-3 Sem	paper-III	Fuzzy set theory	Priya Chandrakar	Fuzzy Equivalence Theorem
6	11.12.2023	MSc-1 Sem	paper-III	Topology	Priya Chandrakar	Alexander's sub-basis theorem
7	12.12.2023	MSc-3 Sem	paper-IV	Operation Research	Jaynendra Shrivastava	Interior Point Algorithm
8	12.12.2023	MSc-1 Sem	paper-IV	Adv. complex analysis	Jaynendra Shrivastava	Cross Ratio Multiplication
9	13.12.2023	MSc-3 Sem	paper-V	Graph Theory	Dr. R. K. Verma	k-vertex colourable graph
10	13.12.2023	MSc-1 Sem	paper-V	Adv. Discrete Maths	Dr. R. K. Verma	Language and Grammar-Examples
11	14.12.2023	BSc-2 Mathematics	paper-I	Advance Calculus	Jaynendra Shrivastava	Absolute and Conditional Convergence
12	15.12.2023	BSc-2 Mathematics	paper-II	Differential Equation	Priya Chandrakar	Legendre's Function $P_n(x)$
13	16.12.2023	BSc-2 Mathematics	paper-I	Advance Calculus	Jaynendra Shrivastava	Taylor's Theorem for two variables
14	12.01.2024	BSc-2 Mathematics	paper-II	Advance Calculus	Dr. R. K. Verma	Envelope and Evolute, Examples


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GOVT. CHANDULAL CHANDRAKAR ART AND SCIENCE COLLEGE PATAN, DURG (C.G.)
DEPARTMENT OF MATHEMATICS - SPECIAL CLASSES - SESSION 2023-24

SLOW AND ADVANCE LEARNER CLASSES 2023-24

CLASS M.Sc MATHEMATICS (I & III SEM.)

FROM DATE - 08-12-2023 to 13-12-2023

SN.	DATE	M.Sc I SEM(MATHS)		M.Sc I SEM(MATHS)	
		SLOW LEARNER	ADVANCE LEARNER	SLOW LEARNER	ADVANCE LEARNER
1	08-12-23	PI-AAA- JAY	PI-AAA- JAY	PI-FA- JAY	PI-FA- JAY
2	09-12-23	PII-REAL-PRIYA	PII-REAL-PRIYA	PII-PDE-PRIYA	PII-PDE-PRIYA
3	11-12-23	PIII-TOPO-PRIYA	PIII-TOPO-PRIYA	PIII-FUZZY-JAY	PIII-FUZZY-JAY
4	12-12-23	PIV-O.R.-PRIYA	PIV-COMPL.-JAY	PIV-O.R.-PRIYA	PIV-O.R.-PRIYA
5	13-12-23	PV- RKV	PV- DISCR.- RKV	PV-G.T.- RKV	PV-G.T.- RKV

JAYSHRIVAS
PRIYA CHANDRAKAR

Dr. R.K. VERMA

विभागाध्यक्ष
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पटान, जि.- दुर्ग (छ.ग.)

PRINCIPAL
29/11/2023
Principal
Govt.C.L.C.Arts and Science
College Patan, Distt-Durg (C.G.)

Program for Advance Learner

Topic - Lebesgue Decomposition Theorem

By - Jayendra Shrivastava

Date - 07-12-2023

Class - M.Sc - III (Mathematics)

Paper - I (Functional Analysis)

SN	Name	Fathers Name	Signature
1	Vaseem Quraishi	Shamim Quraishi	Vaseem.
2	Rupesh	Dexter Ram	Rupesh
3	Anamika	Amitabh	Anamika
4	Digeshwar K.	Ramesh Singh	Digeshwar

Jayendra Shrivastava
Signature
(Jay Shrivastava)

[Signature]
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महाराष्ट्र विज्ञान महाविद्यालय
पाटन, जि. - दूरी

Program for Advance learner.

Topic - Algebraic Extension

By - Jaynendra Shrivastava

Date - 07/12/2023.

class - M.Sc. I Sem (Math's)

Paper - I (Advanced Abstract Algebra)

S.N.	Name	Father's Name	Sign.
1.	Poojanka Verma	Ramesh Verma	Poojanka
2.	Madhuri sen.	Jivan Lal Sen	madhuri
3.	Rajeshwari	Lalit Kumar	Rajeshwari

Signature

Jay Shrivastava

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भाटन, जि. - दुर्ग (छ.ग.)

Program for Advance Learners:

Topic - Euler Lagrange's Theorem

By - Priya Chandraker,

Date - 09/12/23.

class - M.sc. III sem (Math's)

paper - II (Partial Diff. Equation)

Unit - III

S.No.	Name	Father's Name	Sign.
1.	Vaseem	Shamim Qureshi	Vaseem.
2.	Rupesh	Desha Ram	Rupesh
3.	Anamika	Amitabh Jena	Anamika
4.	Digeshwar Kumar	Ramem Singh	Digeshwar

Pr.

Signature:

Priya Chandraker,

Pr.

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कला एवं विज्ञान महाविद्या
पाटन, जि.- दुर्ग (

Program for Advance Learner

Topic - Inverse function Theorem

By - Priya Chandraker.

Date - 09/12/23.

class - M.Sc. I sem (Math's)

paper - II (Real Analysis - I)

Unit - III

S.No.	Name	Father's Name	Sign.
1.	Priyanka Verma	Ramesh Verma	Priyanka
2.	Madhuri Sen	Divanlal Sen	madhuri
3.	Rajeshwari Sahu	Lalit Kumar	Rajeshwari

Pr.

signature.

Priya Chandraker.

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पाटन, जि. - दुर्ग

Program for Advance learners

Topic - Fuzzy Equivalence Relation (Unit-IV)

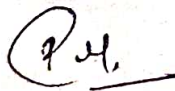
By - Priya Chandraker.

Date - 11/12/23.


class - M.Sc. III sem (Math's)

Paper - III (~~Topology~~ Fuzzy set & its application)

S.No.	Name	Father's Name	sign.
1.	Vaseem	V Shamsim Durrani	Vaseem.
2.	Rupesh	Deoha Ram	Rupesh
3.	Anamika	Amitabh Jena	Anamika
4.	Digeshwar Kumar	Raman Singh	Digeshwar


signature.

Priya Chandraker.


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भारत-जि. - दुर्ग

Program for Advance learners.

Topic - Alexander Sub-Basis Theorem

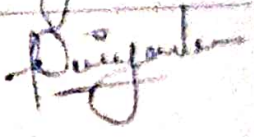
By - Priya Chandraker.

Date - 11/12/23.

class - M.Sc. I sem (Math's)

Paper - III (Topology)


Unit - IV

S.NO.	Name	Father's Name	Sign.
1.	Priyanka Verma	Ramesh Verma	
2.	Madhusri Sen	Jivan Lal Sen	<u>madhusri</u>
3.	Rajeshwari Sahu	Lalit Kumar	Rajeshwari

(Priya)

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कलकत्ता- 700 094 (WB)

Program for Advance learner.

Topic - Interior Point Algorithm (Unit-III)

By - Jaynendra Shrivastava

Date - 12/12/23.

class - M.Sc. III sem (Math's)

paper - IV (Operation Research)

S.No.	Name	Father's Name	sign.
1.	Vaseem	Shamim Durraishi	Vaseem
2.	Rupesh	Deoha Ram	Rupesh
3.	Anamika	Amitabh Jency	Anamika
4.	Digeshwar Kumar	Raman Singh	Digeshwar

Jay Shrivastava
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Jay Shrivastava

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पाटन, जि.- दुर्ग (छ.प्र.)

Program for Advance learners.

Topic - Cross Ratio under Binary Transformation (Unit-III)

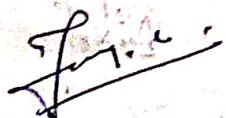
By - Jaynendra Shrivastava.

class - M.Sc. I sem (Math's)

Paper - IV (Complex Analysis).

Date - 12/12/23.

S.No.	Name	Father's Name	Sign.
1.	Poojyanka Veyma	Ramesh Veyma	Poojyanka
2.	Madhuri Sen	Divanlal Sen	madhuri
3.	Rajeshwari Sahu	Lalit Kumar	Rajeshwari


Signature:

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Program for Advance learner.

Topic - k-Vertex Colourable & k-face colourable graph


By - Dr. R. K. Verma.

Date - 13/12/28.

class - M.Sc. III sem (Math's)

paper - V (Graph Theory), Unit - III

S.No.	Name	Father's Name	sign.
1.	Vaseem	Shamim Duraishi	Vaseem
2.	Rupesh	Derha Ram	Rupesh
3.	Anamika	Amyjabin Jena	Anamika
4.	Digeshwar Ku.	Ram Singh	Digeshwar


signature.

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पाटन, जि.- दुर्ग (उ.प्र.)

Program for Advance learners.

Topic - Grammars of Languages.

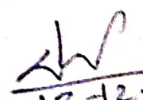
By - Dr. R. K. Verma.

Date - 13/12/23.

class - M.Sc. I sem (Math's)

paper - V (Discrete Mathematics)

S.No.	Name	Father's Name	sign.
1.	Poojauloj Verma	Ramesh Verma	<u>Poojau</u>
2.	Madhuvi Sen	Jivan Lal sen	<u>madhuvi</u>
3.	Rajeshwari Sahu	Lalit kumar	<u>Rajeshwari</u>


13-12-2023
signature.

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एन. जि. - दुर्ग (छ.ग.)
Dr. R. K. Verma

Program for Advance
How learner

BSc-II

Topic - Absolute & Conditional convergence
(आपक्षजित् निर्यात अभिप्राय)

By - Jayendra Shrivastava

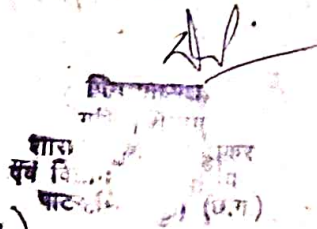
Date - 14-12-2023

class - B.sc. II (Math's)

paper - I Unit-I

S.No.	Name	Father's Name	Signature
①	Pratima Kaushik	Mr. Lalit kumar kaushik	(Pkaushik)
②	Dibha Verma	Mr. Pritambhar Verma	(Dibha)
③	Laxmi Rastogi	Mr. Arjun Singh	(Laxmi)

Signature
(Jayendra Shrivastava)



Program for Advance Learner


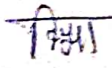

Topic - Legendra functions $P_n(x)$ - properties

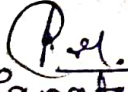
By - Priya Chandrakar

Date - 15-12-2023


class - B.Sc. II. (Math's)

paper - II Unit-I

SN	Name	Father's Name	Signature
①	Bratima Koushik	Mr. Lalit Kumar Koushik	
②	Vibha Verma	Mr. Pijambhar Verma	
③	Laxmi Ratre	Mr. Arjun Singh	


Signature

(Priya Chandrakar)


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पाटन, जि. - दुर्ग (छ.ग.)

Program for Advance Learner.

Topic - Taylor's Theorem - Expansion in two variables
(दी गई के लिए 2012 प्रश्न)

By - Jaynendra Shrivastava

Date - 16-12-2023

class - B.Sc. II. (Maths)

paper - I Unit - III

SN	Name	Father's Name	Signature
①	Poojima Kaushtik	Mr. Lalit Kumari	<u>P. Kaushtik</u>
②	Vibha Verma	Mr. Ramesh Chandra Verma	<u>Vibha</u>
③	Laxmi Ratre	Mr. Arjun Singh	<u>Laxmi</u>

Jaynendra Shrivastava
Signature
(Jaynendra Shrivastava)

[Signature]
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कला एवं विज्ञान महाविद्यालय
पाटन, जि. - दुर्ग (छ.ग.)

Program for Advance Learners.

Topic - Examples of Evaluate & Envelopes
(संज्ञासूची की परीक्षा)


By - Dr. R.K. Verma

Date - 12-01-2024

class - B.Sc. II (Math's)

Paper - I Unit - III

SN	Name	Father's Name	Sign
①	Beetina Kaushik	Mr. Lalit Kumar Kaushik	<u>Beetina</u>
②	Vibha Verma	Mr. Ramesh Verma	<u>Vibha</u>
③	Laxmi Ratre.	Mr. Anjan Singh	<u>Laxmi</u>


Signature 12-1-2024
संज्ञासूची
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