

PANCHAKOT MAHAVIDYALAYA
SARBARI, NETURIA, PURULIA

Affiliated to Sidho Kanho Birsha University, Purulia




Department of Mathematics

Add-on/ Certificate Course
UPSC Mathematics

Session: 2022-2023

Brochure



Panchakot Mahavidyalaya
SARBARI, NETURIA, PURULIA, WEST BENGAL

UPSC Mathematics

Add On Course, Dept. of Mathematics
Duration: 30 hrs.
For detailed schedule log-on to: www.panchakotmv.ac.in

Course Coordinator: Sandip Kumar Maiti,
HOD, Dept. of Mathematics

About the Course: This course targets to develop the basic concept of mathematics for the students of various disciplines who are preparing for UPSC examination. This course is structured in such a way that will help to enrich the students ability to easily solve UPSC math-problems.

Aim of the Course: For the development of knowledge in mathematics, this course is very useful to the students. This course will prepare the students for UPSC examination enhancing their skills to solve harder mathematical problems. This add-on course will help to improve employability of the students.

Course Content:

Module 1: (5 hrs.)
1.1 Linear Algebra
1.2 Calculus
1.3 Analytical geometry

Module 2: (5 hrs.)
2.1 Ordinary Differential Equations
2.2 Dynamics and Statics
2.3 Vector analysis

Module 3: (5 hrs.)
3.1 Algebra
3.2 Real Analysis
3.3 Complex Analysis

Module 4: (5 hrs.)
4.1 Linear Programming
4.2 Partial Differential Equations

Module 5: (5 hrs.)
5.1 Numerical Analysis
5.2 Computer Programming

Module 6: (5 hrs.)
6.1 Mechanics
6.2 Fluid Dynamics

To
The Principal
Panchakot Mahavidyalaya
Sarbari, Neturia, Purulia

Applicant: Sandip Kumar Maiti, Department of Mathematics

Subject: Proposal for certificate course 'UPSC Mathematics' for the session 2022-2023

Respected Sir,

I am requesting you to see the course details which I am going to offer the college students in the session 2022-2023. The title of the course is 'UPSC Mathematics' and it will be conducted by the department of Mathematics of PKMV. This course is structured in such a way that will help to enrich the student's ability to easily solve UPSC math problems and shall enhance the employability of our students.

I request that you please kindly sanction the mentioned course.

Date: 12.04.2023

Place: Sarbari

HOD, Mathematics

Your sincerely,



Enclosure: (1) Proposal
(2) Curriculum of the course

PANCHAKOT MAHAVIDYALAYA

SARBARI, NETURIA, PURULIA

Affiliated to Sidho Kanho Birsha University, Purulia

Proposal for conducting Short Term Certificate Courses Session: (2022-2023)

1. Details of the applicant department:

- I. Name of the college: Panchakot Mahavidyalaya,
- II. Address of the college: Sarbari, PO: Neturia, District: Purulia, Pin: 723121
- III. Name of the applicant department: Mathematics

2. Details of the course proposed:

- I. Name of the course: UPSC Mathematics
- II. Target participants: Undergraduate students from any stream
- III. Duration of the course: 30 hrs.
- IV. Medium of instruction: English

3. Details of the faculty:

- I. Whether the college provides degree related to the proposed course: No
- II. Whether the course is prepared by experts from related field: yes (by departmental faculty)
- III. Information of course coordinator:

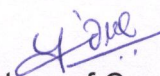
Name	Department	Qualification
Sandip Kumar Maiti	Mathematics	M. Sc. (Mathematics)

IV. Details of faculty members to be appointed for this course:

Sr. No.	Name	Department	Qualification
1	Sandip Kumar Maiti	Mathematics	M. Sc. in Mathematics
2	Chandra Mohan Maji	Mathematics	M.Sc. in Mathematics

4. Details of the infrastructure needed/available for this course:

- I. Classroom: Available
- II. Books: Available in central library
- III. Computer facility: Computer lab and departmental computer facility


Signature of Course coordinator

PANCHAKOT MAHAVIDYALAYA

SARBARI, NETURIA, PURULIA

Affiliated to Sidho Kanho Birsha University, Purulia

Department of Mathematics

Certificate Course on UPSC Mathematics

Syllabus (2022-2023)

Duration: 30 hrs

Module1: (5 hrs.)

1.1 Linear Algebra

1.2 Calculus

1.3 Analytical geometry

Module2: (5 hrs.)

2.1 Ordinary Differential Equatons

2.2 Dynamics and Statics

2.3 Vector analysis

Module 3: (5 hrs.)

3.1 Algebra

3.2 Real Analysis

3.3 Complex Analysis

Module 4: (5 hrs.)

4.1 Linear Programming

4.2 Partial Differential Equations

Module 5: (5 hrs.)

5.1 Numerical Analysis

5.2 Computer Programming

Module 6: (5 hrs.)

6.1 Mechanics

6.2 Fluid Dynamics

Assessment: Written Test and/or Viva-Voce



Signature
Course Coordinator

PANCHAKOT MAHAVIDYALAYA

SARBARI, NETURIA, PURULIA

Affiliated to Sidho Kanho Birsha University, Purulia

Department of Mathematics

UPSC Mathematics
Session: (2022-2023)

Course coordinator: Sandip Kumar Maiti, HOD, Mathematics

Details of the Course

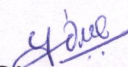
Course Objective: This course aims to develop the basic concept of mathematics for the students of various disciplines who are preparing for the UPSC examination. This course is structured in such a way that will help to enrich the student's ability to easily solve UPSC math problems.

Schedule

Day	Hours	Timing/Duration	Resource Person	Venue	Topic
1	02	4:00-6:00 PM	Sandip Kumar Maiti (SKM)	Dept of Mathematics	Module 1
2	02	4:00-6:00 PM	Chandra Mohan Maji (CMM)	Dept of Mathematics	Module 1
3	01	4:00-6:00 PM	SKM	Dept of Mathematics	Module 1
4	02:30	4:00-6:30 PM	CMM	Dept of Mathematics	Module 2
5	02:30	4:00-6:30 PM	SKM	Dept of Mathematics	Module 2
6	02	4:00-6:00 PM	CMM	Dept of Mathematics	Module 3
7	02	4:00-6:00 PM	SKM	Dept of Mathematics	Module 3
8	01	4:00-5:00 PM	CMM	Dept of Mathematics	Module 3
9	02:30	4:00-6:30 PM	SKM	Dept of Mathematics	Module 4
10	02:30	4:00-6:30 PM	CMM	Dept of Mathematics	Module 4

11	02	4:00-6:00 PM	SKM	Dept of Mathematics	Module 5
12	02	4:00-6:00 PM	CMM	Dept of Mathematics	Module 5
13	01	4:00-5:00 PM	SKM	Dept of Mathematics	Module 5
14	02:30	4:00-6:30 PM	CMM	Dept of Mathematics	Module 6
15	02:30	4:00-6:30 PM	SKM	Dept of Mathematics	Module 6

Expected Outcome: For the development of knowledge in mathematics, this course is very useful to the students. This course will prepare the students for the UPSC examination enhancing their skills to solve harder mathematical problems. This add-on course will help to improve the employability of the students.


Signature
Course Coordinator

PANCHAKOT MAHAVIDYALAYA

SARBARI, NETURIA, PURULIA

Affiliated to Sidho Kanho Birsha University, Purulia

Department of Mathematics
Certificate course in UPSC Mathematics

Session: (2022-2023)

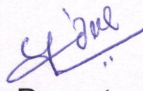
Ref No:


Date: 25.04.23

Notice

This is to notify that the Department of Mathematics, Panchakot Mahavidyalaya is going to conduct an Add On/Certificate courses under the title as stated above. The course will be conducted from 2/5/23 to 23/5/23 in offline mode.

Interested students are requested to contact the concerned teacher(s) of the department/course coordinator for further course details (such as course duration, schedule, module etc.) as well as enrollment in the course.


HOD, Department of Mathematics


Principal
PANCHAKOT MAHAVIDYALAYA
Sarbari • Neturia • Purulia
Principal,

Panchakot Mahavidyalaya
Sarbari, Neturia, Purulia

PANCHAKOT MAHAVIDYALAYA

SARBARI, NETURIA, PURULIA


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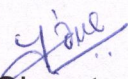
Department of Mathematics

Certificate Course Name UPSC Mathematics
Session: (2022-2023...)

List of Enrolled Students

Sr. No.	Students Name	Roll Number	Semester	Student Signature
1.	TAPAS KAIBARTA	220000079	2	Tapas Kaibarta
2.	AVEN MANDI	220001087	2	Aven Manti
3.	MUSKAN PASWAN	220000761	2	Muskan Paswan
4.	HABIPADA MURHU	220000108	2	Habipada Murhu
5.	SAMIRAN RAJAK	220000654	2	Samiran Rajak
6.	TRISHNA MANDAL	220001524	2	Trishna Mandal
7.	SUDESHNA PAL	210000120	4	S. Pal
8.	ANKITA CHAR	210000916	4	Ankita Char
9.	DEBJANI GOPE	210000770	4	Debjani Gope


Principal
PANCHAKOT MAHAVIDYALAYA
Sarbari • Neturia • Purulia


Signature
Course Coordinator

PANCHAKOT MAHAVIDYALAYA
SARBARI, NETURIA, PURULIA

Affiliated to Sidho Kanho Birsha University, Purulia

Department of ..*Mathematics*..

Certificate Course :*UPSC Mathematics*.....

Session: (20..22...-20..23.....)

Attendance Sheet

Sr. No.	Name of Student	Day and Month															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	TAPAS KAIBARTA	P	P	P	P	P	P	.	P	P	P	P	P	P	P	P	
2	AVEN MANDI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
3	MUSKAN PASHAN	P	P	P	P	P	P	P	P	P	.	P	P	P	P	P	
4	HARIPADA MURMU	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
5	SAMIRAN RADAK	P	P	P	P	P	P	P	P	P	P	.	P	P	P	P	
6	TRISHNA MANDAL	P	P	P	P	P	P	P	P	P	P	.	P	P	P	P	
7	SUDESHNA PAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
8	ANKITA CHAR	P	P	P	P	P	P	.	P	P	P	P	P	P	P	P	
9	DEBJANI GOPE	P	P	P	.	P	P	P	P	P	P	P	P	P	P	P	

SBK
Principal
PANCHAKOT MAHAVIDYALAYA
Sarbari, Neturia, Purulia

SBK
Course Coordinator

PANCHAKOT MAHAVIDYALAYA

SARBARI, NETURIA, PURULIA

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Department of Mathematics

Certificate Course:


UPSC Mathematics

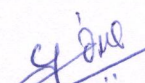
Session: (20.22....-20.23..)

Result

Full Marks:

Sr. No.	Name of Student	Marks Obtained
1	TAPAS KAIBARTA	B
2	AVEN MANDI	A
3	MUSKAN PASWAN	A
4	HARIPADA MURMU	B
5	SAMIRAN RAJAK	B
6	TRISHNA MANDAL	A
7	SUDESHNA PAL	A
8	ANKITA CHAR	A
9	DEBJANI GOPE	A


Principal
PANCHAKOT MAHAVIDYALAYA
Sarbari • Neturia • Purulia


Signature
Course Coordinator



Affiliated to Sidho Kanho Birsha University, Purulia

PANCHAKOT MAHAVIDYALAYA

SARBARI, NETURIA, PURULIA

Add On/ Certificate Course

Organized by: Department of *Mathematics*

CERTIFICATE OF COMPLETION

Session: (20.22..-20.23..)

This is to certify that Mr./Ms *TAPAS KAIBARTA*

of *Political Science (Prog.)* Department has successfully completed Add

On/Certificate course entitled:

..... *UPSC Mathematics*

for session *2022-2023*

Course Coordinator

[Signature]

HOD (Organizing Dept)

[Signature]

Principal

[Signature]