PANCHAKOT MAHAVIDYALAYA
SARBARI, NETURIA, PURULIA
Affiliated to Sidho Kanho Birsha University, Purulia

Department of Mathematics

Add-on/ Certificate Course
Mathematics for Competitive Examinations

Session: 2021-2022

Brochure

Panchakot Mahavidyalaya
SARBARI, NETURIA, PURULIA, WEST BENGAL

Mathematics for Competitive Examination
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: Aim of this course is to develop the basic concept of mathematics for the students of various disciplines. This course is structured in such a creative way that will help to enrich the students ability in a simple manner. This is an elementary level introductory course covering the fundamental ideas and physical problems applicable to our daily life in the society.

Aim of the Course: For the development of knowledge in mathematics, this course is very useful to the students. This course helps students to solve harder problems with their own skill. This will help to improve employability of the students.

Course Content:

Module1: (5 hrs.)
1.1 Boat and Streams
1.2 Mixture
1.3 Simple and Compound Interest

Module2: (5 hrs.)
2.1 Logarithms
2.2 Area
2.3 Two and Three Dimensional Figure Problems

Module 3: (5 hrs.)
3.1 Number System
3.2 Surface Area
3.3 Time and Distance problems

Module4: (5 hrs.)
4.1 Stocks and Shares
4.2 Permutation
4.3 Combinations

Module5: (5 hrs.)
5.1 Probability
5.2 Projectile
5.3 Data Interpretation

Module 6: (5 hrs.)
6.1 Ratio and Proportion
6.2 Graphs
6.3 Miscellaneous

To
The Principal
Panchakot Mahavidyalaya
Sarbari, Neturia, Purulia

Applicant: Sandip Kumar Maiti, HOD, Department of Mathematics

Subject: Proposal for Add On course 'Mathematics for Competitive Examinations ' for the session 2021-2022

Respected Sir,

With respect to the above mentioned subject, I am submitting herewith the proposal to conduct the Add On course 'Mathematics for Competitive Examinations' by the department of Mathematics of our college in offline mode. This course will enable the participants to develop their mathematical skills for faster problem-solving techniques. This will prepare them for competitive examinations during further higher studies and for cracking job entrance tests.

Hope you will consider my application and I kindly request you to sanction the same.

Date: 26.04.2022

Place: Sarbari

Your sincerely,
HOD, Mathematics

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

PANCHAKOT MAHAVIDYALAYA
SARBARI, NETURIA, PURULIA
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Proposal for conducting Short Term Certificate Courses
Session: (2021-2022)

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: Mathematics for Competitive Examinations
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)
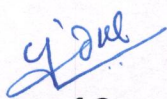III. Information of course coordinator:

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
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Department of Mathematics
Mathematics for Competitive Examinations

Syllabus (2021-2022)

Duration: 30 hrs

Module1: (5 hrs.)
1.1 Boat and Streams
1.2 Mixture
1.3 Simple and Compound Interest

Module2: (5 hrs.)
2.1 Logarithms
2.2 Area
2.3 Two and Three Dimensional Figure Problems

Module 3: (5 hrs.)
3.1 Number System
3.2 Surface Area
3.3 Time and Distance problems

Module 4: (5 hrs.)
4.1 Stocks and Shares
4.2 Permutation
4.3 Combinations

Module5: (5 hrs.)
5.1 Probability
5.2 Projectile
5.3 Data Interpretation

Module 6: (5 hrs.)
6.1 Ratio and Proportion
6.2 Graphs
6.3 Miscellaneous

Assessment: Written Test and/or Viva-Voce

Signature
Course Coordinator

PANCHAKOT MAHAVIDYALAYA
SARBARI, NETURIA, PURULIA
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Department of Mathematics
Mathematics for Competitive Examinations (2021-2022)

Course coordinator: Sandip Kumar Maiti, HOD, Mathematics

Details of the Course

Course Objective: Aim of this course is to develop the basic concept of mathematics for the students of various disciplines. This course is structured in such a creative way that will help to enrich the students ability in a simple manner. This is an elementary level introductory course covering the fundamental ideas and physical problems applicable to our daily life in the society.

For the development of knowledge in mathematics, this course is very useful to the students. This course helps students to solve harder problems with their own skill. This will help to improve employability of the students.
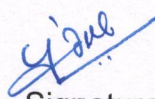
Schedule

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	4:00-5:00 PM	SKM	Dept of Mathematics	Module 1
4	02	4:00-6:00 PM	CMM	Dept of Mathematics	Module 2
5	02	4:00-6:00 PM	SKM	Dept of Mathematics	Module 2
6	01	4:00-5:00 PM	CMM	Dept of Mathematics	Module 2
7	02	4:00-6:00 PM	SKM	Dept of Mathematics	Module 3

8	02	4:00-6:00 PM	CMM	Dept of Mathematics	Module 3
9	01	4:00-5:00 PM	SKM	Dept of Mathematics	Module 3
10	02	4:00-6:00 PM	CMM	Dept of Mathematics	Module 4
11	02	4:00-6:00 PM	SKM	Dept of Mathematics	Module 4
12	01	4:00-5:00 PM	CMM	Dept of Mathematics	Module 4
13	02:30	4:00-6:30 PM	SKM	Dept of Mathematics	Module 5
14	02:30	4:00-6:30 PM	CMM	Dept of Mathematics	Module 5
15	02:30	4:00-6:30 PM	SKM	Dept of Mathematics	Module 6
~~14~~ 16	02:30	4:00-6:30 PM	CMM	Dept of Mathematics	Module 6

Expected Outcome: the students will not only develop the basic concept of mathematics but will also learn to use various mathematical tools with confidence in competitive examinations. This course is structured in such a creative way that will help to enrich the students' ability in a simple manner. This is an advanced level course covering the fundamental ideas and physical problems applicable to our daily life in the society.

For the development of knowledge and skill in mathematics, this course is very useful to the students. This course helps students to solve harder problems with their own skill. This will help to improve employability of the students.

Signature
Course Coordinator

PANCHAKOT MAHAVIDYALAYA
SARBARI, NETURIA, PURULIA
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Department of Mathematics
Mathematics for Competitive Examinations (2021-2022)

Ref No: Date: 2/5/2022

Notice

The Department of Mathematics at Panchakot Mahavidyalaya is pleased to offer an Add-On course in Mathematics for Competitive Examinations in offline mode from 10/05/22 to 31/5/22. Students interested in enhancing their skills and knowledge in this field and would like to prepare for various competitive examinations, are encouraged to reach out to the Course Coordinator for more information and enrollment details.

The information brochure, course details and schedule is available at the concerned department and also on college website.

HOD, Department of Mathematics

Principal
PANCHAKOT MAHAVIDYALAYA
Sarbari-Neturia-Purulia
Principal,

Panchakot Mahavidyalaya

Sarbari, Neturia, Purulia

PANCHAKOT MAHAVIDYALAYA
SARBARI, NETURIA, PURULIA
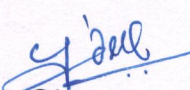Affiliated to Sidho Kanho Birsha University, Purulia

Department of ....Mathematics..

Certificate Course Name Mathematics for Competitive Examinations
Session: (20.21.-20.22.)

List of Enrolled Students

Sr. No.	Students Name	Roll Number	Semester	Student Signature
1.	SUDESHNA PAL	210000120	2	S. Pal
2.	PIJUSH CHAKRABORTY	210000577	2	Pijush chakraborty
3.	APARNA GORAI	210000464	Sem 2	Aparna Gorai
4	KHAMA GOPE	210000495	11	khama Gope
5	IRFAN ANSARY	210000151	2	Irfan Ansary
6.	ANKITA CHAR	210000016	2	Ankita Char
7.	SONIYA MAJEE	210001223	2	Soniya Majee
8.	PUJA BOURI	210001707	Sem2	Puja Bouri
9.	SUJATA BAURI	210001044	2	Sujata Bauri

Signature
Course Coordinator

PANCHAKOT MAHAVIDYALAYA
SARBARI, NETURIA, PURULIA

Affiliated to Sidho Kanho Birsha University, Purulia

Department of ...Mathematics...

Certificate Course : ...Mathematics for Competitive Examination...

Session: (20 21 -20 22)

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	SUDESHNA PAL	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
2	PIJUSH CHAKRABORTY	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
3	APARNA GORAI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
4	KHAMA GOPE	P	P	P	.	P	P	P	P	P	P	P	P	P	P	P	P
5	IRFAN ANSARY	P	P	P	P	.	P	P	P	P	P	P	P	P	P	.	P
6	ANKITA CHAR	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
7	SONIYA MAJEE	P	P	P	P	P	P	.	P	P	P	P	P	P	P	P	P
8	PUJA BOURI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
9	SUJATA BAURI	P	P	P	P	P	P	P	P	P	P	P	P	.	P	P	P

Principal
PANCHAKOT MAHAVIDYALAYA
Sarbari-Neturia-Purulia

Course Coordinator

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SARBARI, NETURIA, PURULIA
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Department of ...Mathematics....
Certificate Course:
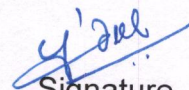...Mathematics... for .. Competitive ... Examinations...............
Session: (20.21...-20.22..)

Result

Full Marks:

Sr. No.	Name of Student	Marks Obtained
1	SUDESHNA PAL	A
2	PIJUSH CHAKRABORTY	A
3	APARNA GORAI	B
4	KHAMA GOPE	A
5	IRFAN ANSARY	A
6	ANKITA CHAR	A
7	SONIYA MAJEE	B
8	PUJA BOURI	B
9	SUJATA BAURI	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: (20.21..-20.2.2...)

This is to certify that Mr./Ms ......SUDESHNA PAL......

of ......Political Science...(Hons). Department has successfully completed Add

On/Certificate course entitled:

......Mathematics for Competitive Examination......

for session ......

_____
Course Coordinator

_____
HOD (Organizing Dept)

_____
Principal