


# **BROCHURE / STRUCTURE**

OF

## **ADD-ON COURSE**


**2019 – 2020**

<b>Advanced Cartography and Geography GK</b>	
<b>Institute/ College Name:</b>	<b>Chandidas Mahavidyalaya, Khujutipara, Birbhum (Affiliated to The University of Burdwan)</b>
<b>Department:</b>	<b>GEOGRAPHY</b>
<b>Name of the Program:</b>	<b>Add – On Course</b>
<b>Course Title:</b>	<b><i>Advanced Cartography and Geography GK</i></b>
<b>Course Coordinator:</b>	Dr. Kaustuv Mukherjee
<b>Course Instructor(s):</b>	1. Prof. Indrajit Mandal 2. Dr. Kaustuv Mukherjee 3. Prof. Manabendra Roy 4. Prof. Arijit Ghosh
<b>Eligibility</b>	B.A./B.Sc. (Hons./Gen.) Semester Students in Geography
<b>Course Duration:</b>	31 Hours (minimum)
<b>Timing and venue:</b>	Classes will be held in a continuous three weeks period (15 days precisely) which will be notified later by the Department of Geography.  Practical exposure: Both Field and Laboratory Experiments at the Department of Geography, Chandidas Mahavidyalaya.

  
Department of Geography  
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Khujutipara, Birbhum



<b>Course Description:</b>	This course is designed to develop the skill and knowledge of the students for advanced learning. Various cartographic techniques are not covered in the university curriculum which is very much necessary for the students to learn. This will help them to understand things in higher studies and keep them a step forward. The content of the course is designed in such a way that some untouched but important geographical topics will be covered. Various students are preparing for different competitive examinations for which general knowledge is very important part. This course will focus on covering untouched cartographic techniques, advanced data analysis, graph, chart preparation and general knowledge related to geography and environment.
<b>Course Objectives:</b>	<ul style="list-style-type: none"> <li>• To develop the basic skill and knowledge of students in regard to surveying, data collection and data analysis using advanced techniques.</li> <li>• To help them prepare for competitive examinations and various entrance examinations for masters.</li> <li>• To make the students more skillful in cartographic analysis.</li> </ul>
<b>Course Outcomes:</b>	<ul style="list-style-type: none"> <li>• Knowledge on surveying, projection, Data collection.</li> <li>• Understanding the various data types and their analysis using MS-Excel.</li> <li>• Developing skill on making Chart, Graph and Other Diagrams.</li> <li>• Developing the general knowledge on geography and environment.</li> </ul>
<b>Mode of Evaluation</b>	Total Marks of Course Evaluation will be 50 Marks [Written Exam of 40 Marks (20 MCQ×2=40) and Viva-Voce of 10 Marks]

  
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 Head & Assistant Professor  
 Department of Geography  
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### ADD-ON COURSE SYLLABUS

UNIT	Course Topics	Class Hours
<b>Unit - 1</b>	<b>THEORY</b>	
	1.1 Geographical GK (India, West Bengal and World)	4
	1.2 Environmental GK	3
<b>Unit - 2</b>	<b>PRACTICAL IN LABORATORY</b>	
	2.1 Estimation of drinking water quality parameters- Temperature, Conductivity, Salinity, TDS	2
	2.2 Plain Table Survey:- A) Radiation Method B) Intersection Method	6
	2.3 Projection:- A) Sinusoidal Projection B) Polar Zenithal Equal Area Projection	4
	2.4 Flow Diagram/Chart	2
	2.5 Dot and Sphere Diagram	2
<b>Unit - 3</b>	<b>PRACTICAL IN COMPUTER</b>	
	5.1 Data Analysis using MS-Excel: Correlation, Regression: Linear, Non-linear and Logistic, Non-parametric Trend, 5.2 Charts and Diagrams	5
	<b>Practical Test</b>	<b>1</b>
	<b>Course End Evaluation and Assessment</b>	<b>2</b>
	<b>Total Course Hours</b>	<b>31</b>

  
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# **ADD-ON COURSE** on “**Advanced Cartography and Geography GK**”

Organized by –

Department of Geography, Chandidas Mahavidyalaya, Khujutipara, Birbhum.

## Details of Syllabus to be studied

UNIT	Course Topics	Class Hours	Name of the Teacher/Course Instructor
Unit - 1	<b>THEORY</b>		
	1.1 Geographical GK (India, West Bengal and World)	4	IM , KM
	1.2 Environmental GK	3	AG, MR
Unit - 2	<b>PRACTICAL IN LABORATORY</b>		
	2.1 Estimation of drinking water quality parameters- Temperature, Conductivity, Salinity, TDS	2	IM
	2.2 Plain Table Survey:- A) Radiation Method B) Intersection Method	6	AG
	2.3 Projection:- A) Sinusoidal Projection B) Polar Zenithal Equal Area Projection	4	MR
	2.4 Flow Diagram/Chart	2	MR
	2.5 Dot and Sphere Diagram	2	IM
Unit - 3	<b>PRACTICAL IN COMPUTER</b>		
	5.1 Data Analysis using MS-Excel: Correlation, Regression: Linear, Non-linear and Logistic, Non-parametric Trend, 5.2 Charts and Diagrams	5	KM
	<b>Practical Test</b>	<b>1</b>	<b>KM</b>
	<b>Course End Evaluation and Assessment</b>	<b>2</b>	<b>All Teachers</b>

IM = Prof. Indrajit Mandal, KM= Dr. Kaustuv Mukherjee, MR = Prof. Manabendra Roy, AG = Prof. Arijit Ghosh.

  
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### **Books recommended:**

1. "Lucent's General Knowledge" by Manwendra Mukul, Dr. Binay Karna, Sanjiv Kumar, published by *Lucent*.
2. "Geography: India, West Bengal and World" by Kartick Chandra Mondal, published by *Oriental Book Company Privat Limited*.
3. "General Knowledge Geography" by *V&S Publishers*.
4. "Parivesh" by Dr. Anish Chattopadhyay, published by *TD PUBLICATION*. [Bengali Version]
5. "Environmental Geography" by R.B. Singh, published by *Heritage Publishers*, New Delhi.
6. "Environment for Civil Services (Prelims and Mains)" by DR Khullar and JACS Rao, published by *McGraw Hill*.
7. "Environment Quiz Book" by Vohra Manasvi, published by *V&S Publishers*.
8. "Practical Geography" by Ashis Sarkar, published by *Orient Blackswan Private Limited* - New Delhi.
9. "Elements Of Practical Geography" by R.L. Singh and Rana Pb Singh, published by *Kalyani Publishers*.
10. "Byaboharik Bhugol" by Dr. Chandansuravi Das and Dr. Ratan Kumar Samanta, published by *New Central Book Agency Pri. Ltd.* [Bengali Version]
11. "Data Analysis with Excel" by Manisha Nigam, published by *BPB Publications*.
12. "Statistical Data Analysis Using MS-Excel" by Dr. B. G. Kore, published by *Nirali Prakashan*.

### **LIST OF INSTRUMENTS & SOFTWARES REQUIRED FOR THE CERTIFICATE COURSE:**

1. Plane Table
2. Soil Test Kit
3. Globe and Projection Plane
4. Water Testing Instrument
5. Computer
6. MS-Office Package

  
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Khujutipara, Barisal



## I GENERAL RULES AND REGULATIONS

1. Students must attend and appear for all the Module-End Assessments / Assignments. If any student fails to submit any of the Module-End Assignments or fails to attend any of the Module-End Assessment examinations, the particular Student would NOT BE ELIGIBLE FOR CERTIFICATE.
2. Students must attend and appear for the Course-End Assessment Examination. If any student fails to submit the Course-End Assessment or fails to attend the Course-End Assessment Examination, the particular Student would NOT BE ELIGIBLE FOR CERTIFICATE.
3. Students must attend and appear for the Course-End Viva. If any student fails to attend the Course-End Viva, the particular Student would NOT BE ELIGIBLE FOR CERTIFICATE.
4. Total Marks of Course Evaluation will be 50 Marks [Written Exam of 40 Marks (20 MCQ×2=40) and Viva-Voce of 10 Marks]
5. Minimum 50% Marks has to be scored to receive any Certificate. There will be only ONE Attempt allowed for each of the Module-End Assessments / Assignments and the Course-End Assessment.
6. There will be NO PROVISION for Backlog Clearance.
7. General Rules and Regulations of the College must be followed without any exception.


*Kaustubh Mukherjee*

Course Coordinator, Add-On Course  
Head & Assistant Professor  
Department of Geography  
Chandidas Mahavidyalaya  
Khujutipara, Birbhum



## Advisory Committee of ADD-ON Course:

1. Dr. Subhas Singha Roy, Coordinator, IQAC, Chandidas Mahavidyalaya
2. Prof. Abhinanda Chakraborty, Assistant Professor, Dept. of English, Chandidas Mahavidyalaya
3. Prof. Kironmoy Mondal, Assistant Professor, Dept. of Physics, Chandidas Mahavidyalaya
4. Dr. Sayantan Banerjee, Assistant Professor, Dept. of Zoology, Chandidas Mahavidyalaya
5. Secretary, Teachers' Council, Chandidas Mahavidyalaya

  
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## **ADD - ON COURSE**

on

### **“Advanced Cartography and Geography GK”**

**Session: 2019 – 2020**

**Date: November 01 – December 02, 2019**

#### **List of Students Enrolled**

Sl. No.	NAME OF THE STUDENTS	M/F	ROLL NO.
1	NILRATAN MURMU	M	GEO19AD032
2	KAZI SAHAJAHAN	M	GEO19AD033
3	KRISHNA GOPAL SAHA	M	GEO19AD034
4	PUJA TUDU	F	GEO19AD035
5	SUMAN GHOSH	M	GEO19AD036
6	PROBHAT DEY	M	GEO19AD037
7	PATHIK MONDAL	M	GEO19AD038
8	NANDITA MONDAL	F	GEO19AD039
9	SOMA MONDAL	F	GEO19AD040
10	RAHULDEB DAS	M	GEO19AD041
11	BISWJIT DAS	M	GEO19AD042
12	PIU GHOZH	F	GEO19AD043
13	SURAJIT PAL	M	GEO19AD044
14	ANTARA SINHA	F	GEO19AD045
15	SUCHITRA GHOSH	F	GEO19AD046
16	ABHIJIT GHOSH	M	GEO19AD047
17	SK AKASH	M	GEO19AD048
18	S K MAINUDDIN	M	GEO19AD049
19	MAHENDRA RAY	M	GEO19AD050

*Kantab Mukherjee*  
01/11/19  
Course Coordinator, Add-On Course  
Head & Assistant Professor  
Department of Geography  
Chandidas Mahavidyalaya  
Khujutipara, Birbhum



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**Attendance Sheet**

Sl. No.	NAME OF THE STUDENTS	Day 1 (Date: 01.11.2019)		Day 2 (Date: 05.11.2019)		Day 3 (Date: 06.11.2019)	
		Teacher's Signature	Teacher's Signature	Teacher's Signature	Teacher's Signature	Teacher's Signature	Teacher's Signature
1	NILRATAN MURMU	<i>Nilratan Murmu</i>	<i>Nilratan Murmu</i>	<i>Nilratan Murmu</i>	<i>Nilratan Murmu</i>	<i>Nilratan Murmu</i>	<i>Nilratan Murmu</i>
2	KAZI SAHAJAHAN	<i>Kazi Sahajahan</i>	<i>Kazi Sahajahan</i>	<i>Kazi Sahajahan</i>	<i>Kazi Sahajahan</i>	<i>Kazi Sahajahan</i>	<i>Kazi Sahajahan</i>
3	KRISHNA GOPAL SAHA	<i>K. G. Saha</i>	<i>K. G. Saha</i>	<i>K. G. Saha</i>	<i>K. G. Saha</i>	<i>K. G. Saha</i>	<i>K. G. Saha</i>
4	PUJA TUDU	<i>Puja Tudu</i>	<i>Puja Tudu</i>	<i>Puja Tudu</i>	<i>Puja Tudu</i>	<i>Puja Tudu</i>	<i>Puja Tudu</i>
5	SUMAN GHOSH	<i>Suman Ghosh</i>	<i>Suman Ghosh</i>	<i>Suman Ghosh</i>	<i>Suman Ghosh</i>	<i>Suman Ghosh</i>	<i>Suman Ghosh</i>
6	PROBHAT DEY	<i>Probhat Dey</i>	<i>Probhat Dey</i>	<i>Probhat Dey</i>	<i>Probhat Dey</i>	<i>Probhat Dey</i>	<i>Probhat Dey</i>
7	PATHIK MONDAL	<i>Pathik Mondal</i>	<i>Pathik Mondal</i>	<i>Pathik Mondal</i>	<i>Pathik Mondal</i>	<i>Pathik Mondal</i>	<i>Pathik Mondal</i>
8	NANDITA MONDAL	<i>Nandita Mondal</i>	<i>Nandita Mondal</i>	<i>Nandita Mondal</i>	<i>Nandita Mondal</i>	<i>Nandita Mondal</i>	<i>Nandita Mondal</i>
9	SOMA MONDAL	<i>Soma Mondal</i>	<i>Soma Mondal</i>	<i>Soma Mondal</i>	<i>Soma Mondal</i>	<i>Soma Mondal</i>	<i>Soma Mondal</i>
10	RAHULDEB DAS	<i>Rahuldeb Das</i>	<i>Rahuldeb Das</i>	<i>Rahuldeb Das</i>	<i>Rahuldeb Das</i>	<i>Rahuldeb Das</i>	<i>Rahuldeb Das</i>
11	BISWJIT DAS	<i>Biswjit Das</i>	<i>Biswjit Das</i>	<i>Biswjit Das</i>	<i>Biswjit Das</i>	<i>Biswjit Das</i>	<i>Biswjit Das</i>
12	PIU GHOSH	<i>Piu Ghosh</i>	<i>Piu Ghosh</i>	<i>Piu Ghosh</i>	<i>Piu Ghosh</i>	<i>Piu Ghosh</i>	<i>Piu Ghosh</i>
13	SURAJIT PAL	<i>Surajit Pal</i>	<i>Surajit Pal</i>	<i>Surajit Pal</i>	<i>Surajit Pal</i>	<i>Surajit Pal</i>	<i>Surajit Pal</i>
14	ANTARA SINHA	<i>Antara Sinha</i>	<i>Antara Sinha</i>	<i>Antara Sinha</i>	<i>Antara Sinha</i>	<i>Antara Sinha</i>	<i>Antara Sinha</i>
15	SUCHITRA GHOSH	<i>Suchitra Ghosh</i>	<i>Suchitra Ghosh</i>	<i>Suchitra Ghosh</i>	<i>Suchitra Ghosh</i>	<i>Suchitra Ghosh</i>	<i>Suchitra Ghosh</i>
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17	SK AKASH	<i>SK Akash</i>	<i>SK Akash</i>	<i>SK Akash</i>	<i>SK Akash</i>	<i>SK Akash</i>	<i>SK Akash</i>
18	S K MAINUDDIN	<i>SK Mainuddin</i>	<i>SK Mainuddin</i>	<i>SK Mainuddin</i>	<i>SK Mainuddin</i>	<i>SK Mainuddin</i>	<i>SK Mainuddin</i>
19	MAHENDRA RAY	<i>Mahendra Roy</i>	<i>Mahendra Roy</i>	<i>Mahendra Roy</i>	<i>Mahendra Roy</i>	<i>Mahendra Roy</i>	<i>Mahendra Roy</i>

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 Chandidas Mahavidyalaya  
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**Attendance Sheet**

Sl. No.	NAME OF THE STUDENTS	Day 4 (Date: 8.11.2019)		Day 5 (Date: 11.11.2019)		Day 6 (Date: 13.11.2019)	
		Teacher's Signature	Teacher's Signature	Teacher's Signature	Teacher's Signature	Teacher's Signature	Teacher's Signature
1	NILRATAN MURMU	Nilratan Murmu	Nilratan Murmu	Nilratan Murmu	Nilratan Murmu	Nilratan Murmu	Nilratan Murmu
2	KAZI SAHAJAHAN	Kazi Sahajahan	Kazi Sahajahan	Kazi Sahajahan	Kazi Sahajahan	Kazi Sahajahan	Kazi Sahajahan
3	KRISHNA GOPAL SAHA	K.G. Saha	K.G. Saha	K.G. Saha	K.G. Saha	K.G. Saha	K.G. Saha
4	PUJA TUDU	Puja Tudu	Puja Tudu	Puja Tudu	Puja Tudu	Puja Tudu	Puja Tudu
5	SUMAN GHOSH	Suman Ghosh	Suman Ghosh	Suman Ghosh	Suman Ghosh	Suman Ghosh	Suman Ghosh
6	PROBHAT DEY	Probhat Dey	Probhat Dey	Probhat Dey	Probhat Dey	Probhat Dey	Probhat Dey
7	PATHIK MONDAL	Pathik Mondal	Pathik Mondal	Pathik Mondal	Pathik Mondal	Pathik Mondal	Pathik Mondal
8	NANDITA MONDAL	Nandita Mondal	Nandita Mondal	Nandita Mondal	Nandita Mondal	Nandita Mondal	Nandita Mondal
9	SOMA MONDAL	Soma Mondal	Soma Mondal	Soma Mondal	Soma Mondal	Soma Mondal	Soma Mondal
10	RAHULDEB DAS	Rahuldeb Das	Rahuldeb Das	Rahuldeb Das	Rahuldeb Das	Rahuldeb Das	Rahuldeb Das
11	BISWJIT DAS	Biswjit Das	Biswjit Das	Biswjit Das	Biswjit Das	Biswjit Das	Biswjit Das
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13	SURAJIT PAL	Surajit Pal	Surajit Pal	Surajit Pal	Surajit Pal	Surajit Pal	Surajit Pal
14	ANTARA SINHA	Antara Sinha	Antara Sinha	Antara Sinha	Antara Sinha	Antara Sinha	Antara Sinha
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17	SK AKASH	SK Akash	SK Akash	SK Akash	SK Akash	SK Akash	SK Akash
18	S K MAINUDDIN	SK Mainuddin	SK Mainuddin	SK Mainuddin	SK Mainuddin	SK Mainuddin	SK Mainuddin
19	MAHENDRA RAY	Mahendra Ray	Mahendra Ray	Mahendra Ray	Mahendra Ray	Mahendra Ray	Mahendra Ray

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 Chandernagore, Birbhum



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**Attendance Sheet**

Sl. No.	NAME OF THE STUDENTS	Day 7 (Date: 14.11.2019)		Day 8 (Date: 15/11/19)		Day 9 (Date: 16/11/19)	
		Teacher's Signature	Teacher's Signature	Teacher's Signature	Teacher's Signature	Teacher's Signature	Teacher's Signature
1	NILRATAN MURMU	<i>bb</i> 14/11/19 Nilratan MURMU	<i>bb</i> 14/11/19 Nilratan MURMU	<i>bb</i> 15/11/19 Nilratan MURMU	<i>bb</i> 15.11.19 Nilratan MURMU	<i>bb</i> 16/11/19 Nilratan MURMU	<i>bb</i> 16/11/19 Nilratan MURMU
2	KAZI SAHAJAHAN	<i>bb</i> Kazi Sahajahan	<i>bb</i> Kazi Sahajahan	<i>bb</i> Kazi Sahajahan	<i>bb</i> Kazi Sahajahan	<i>bb</i> Kazi Sahajahan	<i>bb</i> Kazi Sahajahan
3	KRISHNA GOPAL SAHA	<i>bb</i> K.G. Saha	<i>bb</i> K.G. Saha	<i>bb</i> K.G. Saha	<i>bb</i> K.G. Saha	<i>bb</i> K.G. Saha	<i>bb</i> K.G. Saha
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7	PATHIK MONDAL	<i>bb</i> Pathik Mondal	<i>bb</i> Pathik Mondal	<i>bb</i> Pathik Mondal	<i>bb</i> Pathik Mondal	<i>bb</i> Pathik Mondal	<i>bb</i> Pathik Mondal
8	NANDITA MONDAL	<i>bb</i> Nandita Mondal	<i>bb</i> Nandita Mondal	<i>bb</i> Nandita Mondal	<i>bb</i> Nandita Mondal	<i>bb</i> Nandita Mondal	<i>bb</i> Nandita Mondal
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**Attendance Sheet**

Sl. No.	NAME OF THE STUDENTS	Day 10 (Date: 19/11/19)		Day 11 (Date: 22.11.2019)		Day 12 (Date: 25.11.2019)	
		Teacher's Signature	Teacher's Signature	Teacher's Signature	Teacher's Signature	Teacher's Signature	Teacher's Signature
1	NILRATAN MURMU	Nilratan Murmu	Nilratan Murmu	Nilratan Murmu	Nilratan Murmu	Nilratan Murmu	Nilratan Murmu
2	KAZI SAHAJAHAN	Kazi Sahajahan	Kazi Sahajahan	Kazi Sahajahan	Kazi Sahajahan	Kazi Sahajahan	Kazi Sahajahan
3	KRISHNA GOPAL SAHA	K. G. Saha	K. G. Saha	K. G. Saha	K. G. Saha	K. G. Saha	K. G. Saha
4	PUJA TUDU	Puja Tudu	Puja Tudu	Puja Tudu	Puja Tudu	Puja Tudu	Puja Tudu
5	SUMAN GHOSH	Suman Ghosh	Suman Ghosh	Suman Ghosh	Suman Ghosh	Suman Ghosh	Suman Ghosh
6	PROBHAT DEY	Probhat Dey	Probhat Dey	Probhat Dey	Probhat Dey	Probhat Dey	Probhat Dey
7	PATHIK MONDAL	Pathik Mondal	Pathik Mondal	Pathik Mondal	Pathik Mondal	Pathik Mondal	Pathik Mondal
8	NANDITA MONDAL	Nandita Mondal	Nandita Mondal	Nandita Mondal	Nandita Mondal	Nandita Mondal	Nandita Mondal
9	SOMA MONDAL	Soma Mondal	Soma Mondal	Soma Mondal	Soma Mondal	Soma Mondal	Soma Mondal
10	RAHULDEB DAS	Rahuldeb Das	Rahuldeb Das	Rahuldeb Das	Rahuldeb Das	Rahuldeb Das	Rahuldeb Das
11	BISWJIT DAS	Biswjit Das	Biswjit Das	Biswjit Das	Biswjit Das	Biswjit Das	Biswjit Das
12	PIU GHOZH	Piu Ghosh	Piu Ghosh	Piu Ghosh	Piu Ghosh	Piu Ghosh	Piu Ghosh
13	SURAJIT PAL	Surajit Pal	Surajit Pal	Surajit Pal	Surajit Pal	Surajit Pal	Surajit Pal
14	ANTARA SINHA	Antara Sinha	Antara Sinha	Antara Sinha	Antara Sinha	Antara Sinha	Antara Sinha
15	SUCHITRA GHOSH	Suehita Ghosh	Suehita Ghosh	Suehita Ghosh	Suehita Ghosh	Suehita Ghosh	Suehita Ghosh
16	ABHIJIT GHOSH	Abhijit Ghosh	Abhijit Ghosh	Abhijit Ghosh	Abhijit Ghosh	Abhijit Ghosh	
17	SK AKASH	SK Akash	SK Akash	SK Akash	SK Akash	SK Akash	SK Akash
18	S K MAINUDDIN	SK Mainuddin	SK Mainuddin	SK Mainuddin	SK Mainuddin	SK Mainuddin	SK Mainuddin
19	MAHENDRA RAY	Mahendra Ray	Mahendra Ray	Mahendra Ray	Mahendra Ray	Mahendra Ray	Mahendra Ray

*ks*  
 Department of Geography  
 Chandidas Mahavidyalaya  
 Jutipara, Birbhum



**ADD-ON COURSE on "Advanced Cartography and Geography GK"**  
 Organized by **Department of Geography, Chandidas Mahavidyalaya**  
**Attendance Sheet**


Sl. No.	NAME OF THE STUDENTS	Day 13 (Date: 26.11.2019)		Day 14 (Date: 27.11.2019)		Day 15 (Date: 02.12.2019)		
		Teacher's Signature <i>blh</i> 26/11/19	Teacher's Signature <i>My</i> 26.11.19	Teacher's Signature <i>blh</i> 27/11/19	Teacher's Signature <i>My</i> 26.11.19	Teacher's Signature <i>blh</i> 02/12/19	Teacher's Signature <i>blh</i> My A. Ghosh	Teacher's Signature <i>blh</i> 26 A. Ghosh
1	NILRATAN MURMU	<i>Nilratan Murmu</i>	<i>Nilratan Murmu</i>	<i>Nilratan Murmu</i>	<i>Nilratan Murmu</i>	<i>Nilratan Murmu</i>	<i>Nilratan Murmu</i>	<i>Nilratan Murmu</i>
2	KAZI SAHAJAHAN	<i>KAZI sahajahan</i>	<i>KAZI sahajahan</i>	<i>KAZI sahajahan</i>	<i>KAZI sahajahan</i>	<i>KAZI sahajahan</i>	<i>KAZI sahajahan</i>	<i>KAZI sahajahan</i>
3	KRISHNA GOPAL SAHA	<i>K. G. Saha</i>	<i>K. G. Saha</i>	<i>K. G. Saha</i>	<i>K. G. Saha</i>	<i>K. G. Saha</i>	<i>K. G. Saha</i>	<i>K. G. Saha</i>
4	PUJA TUDU	<i>Puja Tudu</i>	<i>Puja Tudu</i>	<i>Puja Tudu</i>	<i>Puja Tudu</i>	<i>Puja Tudu</i>	<i>Puja Tudu</i>	<i>Puja Tudu</i>
5	SUMAN GHOSH	<i>Suman Ghosh</i>	<i>Suman Ghosh</i>	<i>Suman Ghosh</i>	<i>Suman Ghosh</i>	<i>Suman Ghosh</i>	<i>Suman Ghosh</i>	<i>Suman Ghosh</i>
6	PROBHAT DEY	<i>Probhat Dey</i>	<i>Probhat Dey</i>	<i>Probhat Dey</i>	<i>Probhat Dey</i>	<i>Probhat Dey</i>	<i>Probhat Dey</i>	<i>Probhat Dey</i>
7	PATHIK MONDAL	<i>Pathik Mondal</i>	<i>Pathik Mondal</i>	<i>Pathik Mondal</i>	<i>Pathik Mondal</i>	<i>Pathik Mondal</i>	<i>Pathik Mondal</i>	<i>Pathik Mondal</i>
8	NANDITA MONDAL	<i>Nandita Mondal</i>	<i>Nandita Mondal</i>	<i>Nandita Mondal</i>	<i>Nandita Mondal</i>	<i>Nandita Mondal</i>	<i>Nandita Mondal</i>	<i>Nandita Mondal</i>
9	SOMA MONDAL	<i>Soma Mondal</i>	<i>Soma Mondal</i>	<i>Soma Mondal</i>	<i>Soma Mondal</i>	<i>Soma Mondal</i>	<i>Soma Mondal</i>	<i>Soma Mondal</i>
10	RAHULDEB DAS	<i>Rahuldeb Das</i>	<i>Rahuldeb Das</i>	<i>Rahuldeb Das</i>	<i>Rahuldeb Das</i>	<i>Rahuldeb Das</i>	<i>Rahuldeb Das</i>	<i>Rahuldeb Das</i>
11	BISWJIT DAS	<i>Biswjit Das</i>	<i>Biswjit Das</i>	<i>Biswjit Das</i>	<i>Biswjit Das</i>	<i>Biswjit Das</i>	<i>Biswjit Das</i>	<i>Biswjit Das</i>
12	PIU GHOZH	<i>Piu Ghosh</i>	<i>Piu Ghosh</i>	<i>Piu Ghosh</i>	<i>Piu Ghosh</i>	<i>Piu Ghosh</i>	<i>Piu Ghosh</i>	<i>Piu Ghosh</i>
13	SURAJIT PAL	<i>Surajit pal</i>	<i>Surajit pal</i>	<i>Surajit pal</i>	<i>Surajit pal</i>	<i>Surajit pal</i>	<i>Surajit pal</i>	<i>Surajit pal</i>
14	ANTARA SINHA	<i>Antara Sinha</i>	<i>Antara Sinha</i>	<i>Antara Sinha</i>	<i>Antara Sinha</i>	<i>Antara Sinha</i>	<i>Antara Sinha</i>	<i>Antara Sinha</i>
15	SUCHITRA GHOSH	<i>Suchita Ghosh</i>	<i>Suchita Ghosh</i>	<i>Suchita Ghosh</i>	<i>Suchita Ghosh</i>	<i>Suchita Ghosh</i>	<i>Suchita Ghosh</i>	<i>Suchita Ghosh</i>
16	ABHIJIT GHOSH	<i>Abhijit Ghosh</i>	<i>Abhijit Ghosh</i>	<i>Abhijit Ghosh</i>	<i>Abhijit Ghosh</i>	<i>Abhijit Ghosh</i>	<i>Abhijit Ghosh</i>	<i>Abhijit Ghosh</i>
17	SK AKASH	<i>SK Akash</i>	<i>SK Akash</i>	<i>SK Akash</i>	<i>SK Akash</i>	<i>SK Akash</i>	<i>SK Akash</i>	<i>SK Akash</i>
18	S K MAINUDDIN	<i>SK Mainuddin</i>	<i>SK Mainuddin</i>	<i>SK Mainuddin</i>	<i>SK Mainuddin</i>	<i>SK Mainuddin</i>	<i>SK Mainuddin</i>	<i>S. K Mainuddin</i>
19	MAHENDRA RAY	<i>Mahendra Ray</i>	<i>Mahendra Ray</i>	<i>Mahendra Ray</i>	<i>Mahendra Ray</i>	<i>Mahendra Ray</i>	<i>Mahendra Ray</i>	<i>Mahendra Ray</i>

*blh*  
 Department of Geography  
 Chandidas Mahavidyalaya  
 Bara, Birbhum



**REPORT**  
of  
**ADD-ON COURSE**

<i>Advanced Cartography and Geography GK</i>	
<b>Institute/ College Name:</b>	<b>Chandidas Mahavidyalaya, Khujutipara, Birbhum</b> (Affiliated to The University of Burdwan)
<b>Department:</b>	GEOGRAPHY
<b>Name of the Program:</b>	<b>Add – On Course</b>
<b>Course Title:</b>	<i>Advanced Cartography and Geography GK</i>
<b>Academic Session</b>	<b>2019 - 2020</b>
<b>Course Coordinator:</b>	Dr. Kaustuv Mukherjee
<b>Course Instructor(s)/ Resource Person(s):</b>	1. Prof. Indrajit Mandal 2. Dr. Kaustuv Mukherjee 3. Prof. Manabendra Roy 4. Prof. Arijit Ghosh
<b>Eligibility</b>	B.A./B.Sc. (Hons./Gen.) Semester Students in Geography
<b>Course Duration:</b>	31 Hours
<b>Timing and venue:</b>	Classes have been held in a continuous one-month period (precisely 15 days) after 3:00 pm in the weekdays from <b>November 01 – December 02, 2019</b> at the Department of Geography, Chandidas Mahavidyalaya. Both Field and Laboratory Experiments including computer based analysis were done.
<b>Number of Students Enrolled</b>	19
<b>Number of Students Entitled for Certificate</b>	19

  
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Chandidas Mahavidyalaya  
Khujutipara, Birbhum



<b>Courses Taught:</b>	<p>This course is designed to develop the skill and knowledge of the students for advanced learning. Various cartographic techniques are not covered in the university curriculum which is very much necessary for the students to learn. The content of the course has been designed in such a way that it will help them in future for higher studies and competitive examinations. The broad theme of the courses which are taught here are as follows - cartographic techniques, advanced data analysis, graph, chart preparation and general knowledge related to geography and environment.</p> <p>The details regarding this have been given in the syllabus.</p>
<b>Course Objectives:</b>	<p>In the brochure, the objectives have been clearly mentioned which are fulfilled in this course. The basic objectives which are focused are as follows -</p> <ul style="list-style-type: none"> <li>• Development of the basic skill and knowledge of the students in cartographic analysis.</li> <li>• Preparing the students for competitive examinations and various entrance examinations for masters.</li> </ul>
<b>Course Outcomes:</b>	<p>This course has added some extra skill and knowledge in the field of cartography as well as general geo-environmental happenings. The specific outcomes of this course can be stated as -</p> <ul style="list-style-type: none"> <li>• Knowledge on surveying, projection, and other data collection.</li> <li>• Understanding the various data types and their analysis using MS-Excel.</li> <li>• Skill development on making Chart, Graph and Other Diagrams using geographical data.</li> <li>• Having general knowledge on geography and environment specifically from regional context.</li> </ul>
<b>Mode of Evaluation</b>	<p>Total Marks of Course Evaluation will be 50 Marks [Written Exam of 40 Marks (20 MCQ×2=40) and Viva-Voce of 10 Marks]</p>

*Harston Mukherjee*

Course Coordinator, Add-On Course  
Head & Assistant Professor  
Department of Geography  
Chandidas Mahavidyalaya  
Khujutipara, Birbhum



## ADD - ON COURSE

on

### “Advanced Cartography and Geography GK”

Session: 2019 – 2020

Date: November 01 – December 02, 2019

#### List of Students who Entitled Certificates

Sl. No.	NAME OF THE STUDENTS	M/F	ROLL NO.
1	NILRATAN MURMU	M	GEO19AD032
2	KAZI SAHAJAHAN	M	GEO19AD033
3	KRISHNA GOPAL SAHA	M	GEO19AD034
4	PUJA TUDU	F	GEO19AD035
5	SUMAN GHOSH	M	GEO19AD036
6	PROBHAT DEY	M	GEO19AD037
7	PATHIK MONDAL	M	GEO19AD038
8	NANDITA MONDAL	F	GEO19AD039
9	SOMA MONDAL	F	GEO19AD040
10	RAHULDEB DAS	M	GEO19AD041
11	BISWJIT DAS	M	GEO19AD042
12	PIU GHOSH	F	GEO19AD043
13	SURAJIT PAL	M	GEO19AD044
14	ANTARA SINHA	F	GEO19AD045
15	SUCHITRA GHOSH	F	GEO19AD046
16	ABHIJIT GHOSH	M	GEO19AD047
17	SK AKASH	M	GEO19AD048
18	S K MAINUDDIN	M	GEO19AD049
19	MAHENDRA RAY	M	GEO19AD050

*Kanstar Mukherjee*  
Course Coordinator, Add-On Course  
Head & Assistant Professor  
Department of Geography  
Chandidas Mahavidyalaya  
Khujutipara, Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... Nilratan Murmu ..... Roll No. GE019AD032

Department ..... Geography ..... Session ..... 2019 - 2020

for successfully completing the add-on-course in..... "Advanced Cartography"  
..... and Geography G.K" .....

at

**Chandidas Mahavidyalaya**

Khujutipara, Birbhum

Course Co-ordinator  
Department of Geography  
Chandidas Mahavidyalaya  
Khujutipara, Birbhum

Principal

Principal  
CHANDIDAS MAHAVIDYALAYA  
P.O. Khujutipara  
Dist.-Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... *Kazi Sabajahan* ..... Roll No. *GE019AD.032*

Department ..... *Geography* ..... Session ..... *2019 - 2020* .....

for successfully completing the add-on-course in..... *"Advanced Cartography*  
*and Geography G.K."* .....

at

**Chandidas Mahavidyalaya**

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Khujutipara, Birbhum

Principal

Principal  
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P.O.-Khujutipara  
Dist.-Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... *Krishna Gopal Saha* ..... Roll No. *GE019AD034*

Department ..... *Geography* ..... Session *2019 - 2020*

for successfully completing the add-on-course in..... *Advanced Cartography*  
..... *and Geography G.K.* .....

at

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Principal  
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P.O.-Khujutipara  
Dist.-Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... *Puja Tudu* ..... Roll No. *GE.019.AD.035*

Department ..... *Geography* ..... Session ..... *2019 - 2020* .....

for successfully completing the add-on-course in..... *“Advanced Cartography*  
*and Geography GK”* .....

at

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*blb*

Course Co-ordinator  
Department of Geography  
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Khujutipara, Birbhum

*Bm*

Principal

Principal  
CHANDIDAS MAHAVIDYALAYA  
P.O.-Khujutipara  
Dist.-Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... *Suman Ghosh* ..... Roll No. *GE019AD036*

Department ..... *Geography* ..... Session ..... *2019 - 2020* .....

for successfully completing the add-on-course in..... *"Advanced Cartography*

..... *and Geography G X* .....

at

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*[Signature]*

Course Co-ordinator  
Department of Geography  
Chandidas Mahavidyalaya  
Khujutipara, Birbhum

*[Signature]*

Principal

Principal  
CHANDIDAS MAHAVIDYALAYA  
P.O.-Khujutipara  
Dist.-Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... *Prabhat Dey* ..... Roll No. *GE019AD037*

Department ..... *Geography* ..... Session ..... *2019 - 2020* .....

for successfully completing the add-on-course in..... *“Advanced Cartography*  
*and Geography G.K.”* .....

at

**Chandidas Mahavidyalaya**

Khujutipara, Birbhum

*[Signature]*

Course Co-ordinator

Department of Geography  
Chandidas Mahavidyalaya  
Khujutipara, Birbhum

*[Signature]*

Principal

Principal  
CHANDIDAS MAHAVIDYALAYA  
P.O. Khujutipara  
Dist.-Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... *Pathik Mondal* ..... Roll No. *GE019AD038*

Department ..... *Geography* ..... Session ..... *2019 - 2020* .....

for successfully completing the add-on-course in ..... *"Advanced Cartography*

..... *and Geography G.K"* .....

at

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Principal  
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P.O.-Khujutipara  
Dist.-Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... *Nandita Mondal* ..... Roll No. *G.E.O.19.AD.039*

Department ..... *Geography* ..... Session *2019 - 2020* .....

for successfully completing the add-on-course in..... "*Advanced Cartography*


..... *and Geography S.K.* .....

at

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\_\_\_\_\_  
Course Co-ordinator  
Department of Geography  
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Khujutipara, Birbhum

  
\_\_\_\_\_  
Principal  
CHANDIDAS MAHAVIDYALAYA  
P.O. Khujutipara  
Dist.-Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... *Soma Mandal* ..... Roll No. *GE019AD040*

Department ..... *Geography* ..... Session *2019-2020*

for successfully completing the add-on-course in..... *"Advanced Cartography*

..... *and Geography G.K."*

at

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Khujutipara, Birbhum

*bls*

Course Co-ordinator  
Department of Geography  
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Khujutipara, Birbhum

*Pr*

Principal

Principal  
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Dist.-Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... *Rahuldeb Das* ..... Roll No. *GE019.A.D.041*

Department ..... *Geography* ..... Session ..... *2019-2020* .....

for successfully completing the add-on-course in ..... *'Advanced Cartography*  
*and Geography GK'* .....

at

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*bl*

Course Co-ordinator  
Department of Geography  
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Khujutipara, Birbhum

*Am*

Principal  
Principal  
CHANDIDAS MAHAVIDYALAYA  
P.O. Khujutipara  
Dist. Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... *Biswjit Das* ..... Roll No. *GE019AD042*

Department ..... *Geography* ..... Session ..... *2019 - 2020* .....

for successfully completing the add-on-course in..... "*Advanced Cartography*  
..... *and Geography G.K.*" .....

at

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Course Co-ordinator  
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Khujutipara, Birbhum

*[Signature]*  
Principal  
Principal  
CHANDIDAS MAHAVIDYALAYA  
Dist.-Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... *Piu Ghosh* ..... Roll No. *GE019AD043*.

Department ..... *Geography* ..... Session *2019-2020*

for successfully completing the add-on-course in..... "*Advanced Cartography*"

..... *and Geography G.K.* .....

at

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Khujutipara, Birbhum

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Dist.-Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... *Surajit Pal* ..... Roll No. *GE019AD044*


Department ..... *Geography* ..... Session ..... *2019 - 2020* .....


for successfully completing the add-on-course in..... *Advanced Cartography*  
..... *and Geography G.K.* .....

at

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\_\_\_\_\_  
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Department of Geography  
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\_\_\_\_\_  
**Principal**  
Principal  
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Dist. Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... Antara Saha ..... Roll No. GE019AD045

Department ..... Geography ..... Session ..... 2019 - 2020

for successfully completing the add-on-course in..... "Advanced Cartography  
and Geography GK"

at

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Khujutipara, Birbhum

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Dist.-Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... *Suchitra Ghosh* ..... Roll No. *GE019AD046*

Department ..... *Geography* ..... Session ..... *2019 - 2020* .....

for successfully completing the add-on-course in..... *"Advanced Cartography*

..... *and Geography G.K"* .....

at

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*bh*

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Department of Geography  
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Khujutipara, Birbhum

*Am*

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Principal  
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P.O.-Khujutipara  
Dist.-Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... *Abhijit Ghosh* ..... Roll No. *GE019AD047*

Department ..... *Geography* ..... Session *2019 - 2020*

for successfully completing the add-on-course in..... *“Advanced Cartography”*

..... *and Geography P.K.”*

at

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*vtb*  
\_\_\_\_\_  
Course Co-ordinator  
Department of Geography  
Chandidas Mahavidyalaya  
Khujutipara, Birbhum

*BT*  
\_\_\_\_\_  
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Principal  
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Dist.-Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... SK AKASH ..... Roll No. GEO19AD048

Department ..... Geography ..... Session ..... 2019 - 2020

for successfully completing the add-on-course in..... "Advanced Cartography"  
..... and Geography G.K."

at

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Khujutipara, Birbhum

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Principal  
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P.O. Khujutipara  
Dist.-Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... *S. K. Mainuddin* ..... Roll No. *GE019ADA49*

Department ..... *Geography* ..... Session ..... *2019 - 2020* .....

for successfully completing the add-on-course in..... *"Advanced Cartography*  
*and Geography G.K."* .....

at

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Khujutipara, Birbhum

*blo*

Course Co-ordinator  
Department of Geography  
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Khujutipara, Birbhum

*Bm*

Principal

Principal  
CHANDIDAS MAHAVIDYALAYA  
P.O. Khujutipara  
Dist.-Birbhum





# Certificate of Completion

This certificate is awarded to

Name ..... *Mahendra Ray* ..... Roll No. *GEO19AD050*.

Department ..... *Geography* ..... Session ..... *2019-2020* .....

for successfully completing the add-on-course in..... "*Advanced Cartography*"

..... *and Geography &c* .....

at

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*WLS*

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