গড়গাঁও মহাবিদ্যালয়

GARGAON COLLEGE

NAAC accredited with 'B' Grade

REPORT ON
ICT (2023-2024)
DEPARTMENT OF MATHEMATICS

ICT CLASS REPORT

SESSION-2023-24

Name of the Teacher: Dr. Kabita Phukon

Department: Mathematics

Designation: Assistant Professor

Date & Time	Semester	Title of the Topic	Tools Used
01-08-2023, 02-03	1st	SEC-115, Introduction to Matlab	Computer Lab
01-08-2023, 03-04	3rd	C6(3.2) Group Theory, Definition of Groups and its Exercise	Projector
02-08-2023, 09-10 10-11	3rd	C6(3.2) Group Theory, Quaternion Group and its Exercise solved	Projector
02-08-2023, 11-12	5th	C12(C5.2): Definition and examples of Automorphism	Projector
13/02/2024, 9-10 10-11	4th	C8 Numerical Methods Topic Geometrical interpretation of Newton Raphson Method and order of convergence of N.R. method and exercise solved	Projector
08/03/2024, 9-10 10-11	4th	C8 (C4.1) Numerical Methods Topic Gauss Jordan method and exercise solved	Projector
15/03/2024, 9-10 10-11	4th	C8(C4.1): Numerical Methods Unit4: Definitions of interpolation, finite difference with equal intervals, shift operator, forward and backward difference operator and examples	Projector
16/03/2024, 10-11 11-12 12-01	4th 4th 2nd	C8(C4.1): Numerical Methods Unit4: Construction of forward and backward difference table. Relation between the forward difference operator, backward difference operator, shift operator E and differential operator D MTHC2: Real analysis and Differential equation Unit4: Exercise solved of 2nd order homogeneous linear equations with initial value problem	Projector
18/03/2024, 11-12 12-01	4th	C8(C4.1): Numerical Methods Unit 4: Description of Newton Gregory's backward interpolation formula and exercise solved	Projector
19/03/2024, 09-10 10-11 01-02	4th	C8(C4.1): Numerical Methods Unit 4: Description of Newton Gregory's backward interpolation formula and exercise solved. GE 4.1: Algebra unit-1: Definition of Quaternion group and construction of Cayley table	Projector
22/03/2024, 09-10 10-11	4th	C8(C4.1): Numerical Methods Unit4: Definition of divided difference and description of Newtons divided difference interpolation formula	Projector
26/03/2024, 09-10 10-11 11-12	4th 4th 2nd	C8(C4.1): Numerical Methods Unit4: Lagrange's divided difference interpolation formula and exercise solved MTHC2: Real analysis and Differential equation Unit4: Exercise solved of homogeneous linear equations with initial value problem	Projector
01/04/2024, 11-12 12-01	4th	C8(C4.1): Numerical Methods Unit4: Description of Relation between Divided differences and simple difference and exercise solved of missing values	Projector

02/04/2024, 09-10 10-11	4th	C8(C4.1): Numerical Methods Unit4: Description of General quadrature formula for equidistant ordinates and Trapezoidal Rule and exercise solved	Projector
05/04/2024, 11-12 12-01	4th	C8(C4.1): Numerical Methods Unit4: Description of Simpson's one- third rule and exercise solved	Projector

OVER ALL STATISTICS OF ICT CLASS

Semester	Total Class Load	Total ICT Class
1st	63	03
2nd	90	02
3rd	54	08
4th	81	03
5th	45	02

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2. (B) Individual Class Routine : (EVEN/ODD SEM) (Academic Session: 20 2 3 — 20 2 4)

Day/ Time	9:00 A.M – 10:00 A.M	10:00 A.M – 11:00 A.M	11:00 A.M – 12:00 NOON	12:00 NOON – 1:00 P.M	1:00 P.M – 2:00 P.M	2:00 P.M – 3:00 P.M	3:00 P.M – 4:00 P.M
Monday			4th Sem(H)	4th Sem(H)		6th Sem(H)	6th Sem(H)
Tuesday	4th Sem(H)	4th Sem(H)			4th Sem(GE)		6th Sem (H)
Wednesday	6th Sem(H)	6th Sem(H)		2nd Sem (MINE) Library			
Thursday	Library. 2nd Sem(MJ)		2nd Sem(MJ)	2nd Sem(MJ)	4th Sem(GE)		4th Sem(GE) Tutorial.
Friday	4th Sem(H)	4th Sem(H)			2nd Sem (SEC)		6th Sem (H)
Saturday				2nd Sem(MJ) 6th Sem (H)		Add ON.	

Courses Taught :

Class	General Course (Papers)	Units/ Chapters of General Courses	Major/Honours (Paper)	Units/Chapters of Major/Honours Course
Degree 1st Sem	MINMTH1 (MINOR) Differential calculus	unit II (Marks-15)	MTH C1 (MJ) Calculus and classical Algebra.	unit 1- (Marks-15)
Degree 2nd Sem	SEC 115 Skill Enhancement course (SEC) Computer laboratory I	unit I- (Marks 25)		
Degree 3rd Sem			C6/C3.2 Group Theory I	unit 1 – Marks – 15 ⎫ unit 2 – Marks – 15 ⎪ unit-3 – Marks – 20 ⎬ Full Paper unit-4 – Marks – 15 ⎪ unit-5 – Marks – 15 ⎭
Degree 4th Sem				
Degree 5th Sem			C12/C5.2 Group Theory II	unit 1 – Marks 20 unit 2 – Marks 20
Degree 6th Sem				

Courses Taught :

Class	General Course (Papers)	Units/ Chapters of General Courses	Major/Honours (Paper)	Units/Chapters of Major/Honours Course
Degree 1st Sem	MIN MTH 2 (MINOR). Real Analysis	unit III – Marks-15	MTH C2 (MJ) Real Analysis and Differential Equation	unit III – Marks – 15 ⎫ Total unit IV – Marks – 25 ⎬ Marks 40
Degree 2nd Sem	SEC 214 Computer Laboratory II	unit 1 – Marks – 24		
Degree 3rd Sem				
Degree 4th Sem			C8/C4.1. Numerical Methods.	unit 1 – Marks – 5 ⎫ unit 2 – Marks – 10 ⎪ unit 3 – Marks – 10 ⎬ All theory unit 4 – Marks – 10 ⎪ Total Marks 60 unit 5 – Marks – 15 ⎪ unit 6 – Marks – 10 ⎭
Degree 5th Sem				
Degree 6th Sem			C13/C6.1. Complex. Analysis.	unit 3 – Marks – 15 ⎫ unit 4 – Marks – 12 ⎪ Total unit 5 – Marks – 10 ⎬ Marks 45 unit 6 – Marks – 08 ⎭

GEO-TAGGED PHOTOGRAPHS OF THE CLASSES

Borkola Gorh Gaon, Assam, India
WPHV+P4M, Borkola Gorh Gaon, Garhgaon, Assam 785685, India
Lat 26.929248°
Long 94.7428°
01/04/24 11:30 AM GMT +05:30

Garhgaon, Assam, India
WPJR+F4M, Kareng Ghar Rd, Garhgaon, Borkola Gorh Gaon, Assam 785685, India
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Long 94.74085°
02/04/24 10:23 AM GMT +05:30

Name of the Teacher: HARE KRISHNA MILI

Department: MATHEMATICS

Designation: ASSISTANT PROFESSOR

Annual ICT class Report, 2023-24

Date & Time	Semester	Title of the topic	Tools Used
02/08/23 9-10 am	Sem -V	Basic of Conics	Smart tv
02/08/23 10-11 am	Sem -V	Parabola	Smart tv
01/08/23 11am-12 noon	Sem -I	Reduction formulae	Smart tv
02/08/23 11-12 noon	Sem –III	Cluster point of Set	Projector
04/08/23 9-11 am	Sem-I	Reduction formulae of trigonometric functions	Smart tv
05/08/23 9-11 am	Sem -V	Reflection property	Smart tv
03/02/23 10am-12noon	Sem- III	Limit of functions	Projector
05/08/23 1-2 pm	Sem -III	Relation and function	Projector
07/08/23 9-11 am	Sem -V	Ellipse	Smart tv
07/08/23 11-12 noon	Sem-III	Limit of Function	Projector

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Date & Time	Semester	Title of the topic	Tools Used
26/2/24 11-12 noon	6th Sem	Dijkastra's algorithm	Smart Tv
27/2/24 9-11 am	6th Sem	Floyd Warshalle Algoritm	Smart Tv
29/2/24 9-11 am	6th Sem	Paartial ordered set(poset)	Smart Tv
29/2/24 11-12 noon	4th Sem	Problems solved	Projector
1/3/24 1-3 pm	6th Sem	Duality Principle and solved examples	Smart Tv
5/3/24 9-11 am	6th Sem	Properties of lattices	Smart Tv
7/3/24 9-11 am	6th Sem	Lattices as algebraic structure	Smart Tv
7/3/24 11-12 noon	4th Sem	Homomorphism and isomorphism	Projector
13/3/24 9-11 am	4th Sem	Kernel, Ring isomorphism theorem	Projector
13/3/24 1-2 pm	6th Sem	Problems on lattices as algebraic structure	Smart Tv
19/3/24 9-11 am	6th sem	Modular lattice with examples	Smart Tv
21/3/24 9-11 am	6th Sem	Distributive lattice and examples	Smart Tv
28/3/24 9-11 am	6th Sem	Boolean algebra and properties	Smart Tv

12/2/24 3-4 pm	6TH SEM	Problem solving of duality principle	Projector
13/2/24 9-11 am	6th sem	Lattice and it's properties	Projector
13/2/24 11-12 noon	Sem-II	Cauchy sequence	Smart tv
13/2/24 2-3 pm	Sem II	Practical-SEC	Computers
13/2/24 3-4 pm	4TH SEM	Integral domain	Smart tv
15/2/24 9-11 am	6th sem	Lattice homonirphisms	Projector
15/2/24 11-12 noon	4th sem	Factor rings and examples	Smart tv
15/2/24 1-3 pm	Sem II-MN	Limit Point	Smart Tv
16/2/24 1-3 pm	6th Sem	Travelling Salesman Problem	Smart Tv
20/2/24 9-11 am	6th Sem	Bipartite Grahs	Smart Tv
22/2/24 9-11am	6th Sem	Previous Year Paper Solved	Smart Tv

8/9/23 1-2 pm	3rd Sem	Cauchy convergence Problem solved	Projector
9/9/23 9-10 am	5th Sem	Spheres standard equation, examples	Smart Tv
11/9/23 1-2pm	5th Sem	General eqn of sphere	Smart Tv
12/9/23 12-1 pm	3rd Sem	Exercise solving of limit theorem	Projector
13/9/23 12-1 pm	1st Sem MN	Curvature , Examples	Smart Tv
14/9/23 1-2 pm	3rd Sem	One sided	Projector
15/9/23 11-12 noon	3rd Sem	Problems solved of one sided limit	Projector
18/9/23 2-3 pm	5th Sem	Sphere passing through a circle, examples,problems	Smart Tv
8/2/24 9-11 am	6TH Sem	Maps between sets	Projector
8/2/24 11-12 noon	4TH Sem	Problem solving on ring	Smart tv
9/2/24 1-3 pm	6TH SEM	Duality Principle	Projector
12/2/24 9-10am	Sem-II	Theorem of limit points	Smart tv
12/2/24 3-4 pm	Sem II	Squeeze theorem	Smart tv
12/2/24 1-3 pm	4TH SEM	Integral domain and examples	Smart tv

Date/Time	Semester	Topic	Equipment
12/8/23 1-2 pm	3RD SEM	Concept of real sequence	Projector
14/8/23 11-12 noon	3RD SEM	Location of roots theorem	Projector
16/8/23 1-2 pm	5TH SEM	Hyperbolas and it's properties	Smart tv
17/8/23 11-12 noon	3rd Sem	Limits of functions	Projectors
18/8/23 2-3 pm	5th sem	Standard eqn of parabola, examples	Smart Tv
19/8/23 9-10 am	5th Sem	Eqn of parabola	Smart Tv
21/8/23 11-12 noon	3rd Sem	Sequential Criteria of limit	Projector
22/8/23 11-12 noon	1st Sem	Reduction formula	Smart Tv
26/8/23 9-10 am	5th Sem	Equn of Hyperbola	Smart Tv
28/8/23 11-12 noon	3rd Sem	Identification of conics	projector
29/8/23 11-12 noon	1st Sem	Dish and washer method	Smart Tv
30/8/23 11-12 noon	3rd Sem	Exercise solve, Bounded sequence	Projector
1-9-23 1-2 pm	3rd Sem	Cauchy Convergence theorem	Projector
2/9/23 10-11pm	5th Sem	Parabola revision	Smart Tv

Date & Time	Semester	Title of the topic	Tools Used
08/08/23 12-1 pm	Sem III	Theorems on limit of functions	Smart tv
08/08/23 2-3 pm	Sem V	Problems on ellipses	Smart Tv
08/08/23 11-12 noon	Sem I	Finding reduction formulae of Trigonometric functions	Smart tv
08/08/23 12-1 pm	Sem III	Examples of limit of functions	Projector
9/8/23 11-12 pm	Sem III (GE)	Sequence	Projector
9/8/23 1-2 pm	Sem V	Sketching of Ellipses	Smart tv
10/8/23 11-12 noon	3RD SEM	Order Preservation theorems	Projector
10/8/23 1-2 pm	3RD SEM	Maximum and minimum theorem	Projector
10/8/23 3-4 pm	1st SEM	Slicing method	Smart TV
10/8/23 3-4 pm	1st SEM	Problems solving by Slicing Methods	Smart TV
11/8/23 11-12 noon	3RD SEM	Examples on maximum minimum theorem	Projector
11/8/23 2-3 pm	5TH SEM	General equation of second Degree	Smart tv
12/8/23 9-10 am	5th SEM	Identification of conics	Smart tv

30/3/24 10-12 noon	4th Sem	Third theorem of Isomorphism	Projector
1/4/24	6th Sem 12-1 pm	Sub algebra of Boolean algebra	Smart Tv
	4th Sem GE	Ideal , Examples, Properties	Projector
2/4/24 9-11	6th Sem	Boolean reprentation	Smart Tv

OVERALL STATISTICS OF ICT CLASS

Semester	Total Class Load	Total ICT Class
1st	40	8
2nd	56	4
3rd	56	21
4th	60	9
5th	60	16
6th	66	21

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GEO-TAGGED PHOTOGRAPHS OF THE CLASSES

Borkola Gorh Gaon, Assam, India
WPHV+J6X, Borkola Gorh Gaon, Garhgaon, Assam 785685, India
Lat 26.929145°
Long 94.74301°
12/02/24 12:07 PM GMT +05:30

Garhgaon, Assam, India
WPHV+G2H, Balighaat, Garhgaon, Borkola Gorh Gaon, Assam 785685, India
Lat 26.929058°
Long 94.74266°
07/03/24 12:03 PM GMT +05:30

Name of the Teacher: SUJATA GOALA

Department: MATHEMATICS

Designation: ASSISTANT PROFESSOR

Name of the Teacher: SUJATA GOALA

Department: MATHEMATICS

Designation: ASSISTANT PROFESSOR

Date	Time	Semester	Title of the Topic	Tools Used
08/08/2023	1:00-2:00 pm	5th Semester		LCD
	2:00-3:00 pm	3rd Semester		Projector
09/08/2023	1:00-2:00 pm	3rd Semester		Projector
	2:00-3:00 pm	5th Semester	Legendary Polynomial	LCD
10/08/2023	10:00-12:00 pm	5th Semester	Bessel function	LCD
	12:00-1:00 pm	1st Semester	Well Ordering Property	LCD
11/08/2023	9:00-11:00 am	5th Semester	Bessel function	LCD
12/08/2023	1:00-2:00 pm	5th Semester	Bessel function	LCD
	2:00-3:00 pm	3rd Semester	Runga Kutta Method	Projector
17/08/2023	10:00-12:00 pm	5th Semester	Simplex	LCD
	12:00-1:00 pm	1st Semester	Mod	LCD
18/08/2023	9:00-11:00 am	5th Semester	Simplex	LCD
04/10/2023	2:00-3:30 pm	5th Semester	Legendry Polynomial	LCD
11/10/2023	10:00-1:00 pm	5th Semester	Conjugacy class S_n	LCD
	1:00-3:00 pm	3rd Semester (GE)	U.C Theorem	Projector
12/10/2023	10:00-1:00 pm	5th Semester	Sylow theorem, Simplicity of A_n	LCD
	1:00-4:00 pm	3rd Semester (GE)	Radius of Convergent, U.C of Series	Projector
20/02/2024	9:00-11:00 am	2nd Semester	Countable/Uncountable	LCD
	11:00-12:00	4th Semester	Transpose of L.O.	Projector

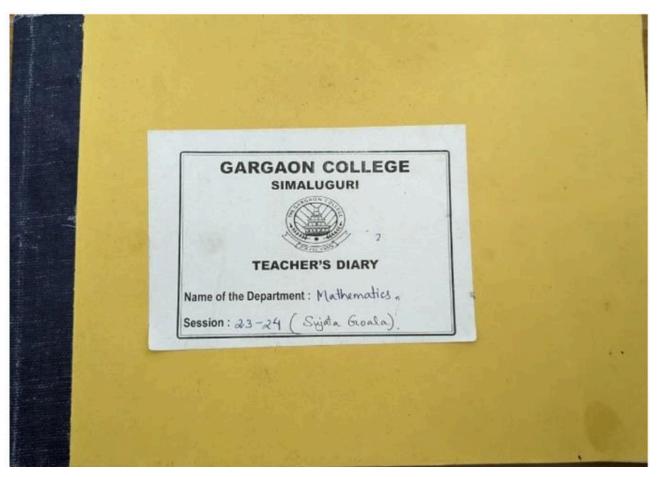|	pm			
21/02/2024	9:00-11:00 am	4th Semester	Vector Space (L.T.)	Projector
26/02/2024	9:00-11:00 am	4th Semester	Vector Space	Projector
07/03/2024	2:00-3:00 pm	4th Semester	Power Series	Projector
11/03/2024	9:00-11:00 am	4th Semester	Power Series/Abel theorem	Projector
	11:00-12:00 pm	6th Semester	Notes preparation	LCD
13/03/2024	9:00-11:00 am	4th Semester	Diagonalisability	Projector
15/03/2024	11:00-1:00 pm	4th Semester	Pointwise Convergent of Sequence	Projector
18/03/2024	9:00-11:00 am	4th Semester	Pointwise and Uniform Convergent	Projector
21/03/2024	9:00-11:00 am	4th Semester	PO-CO Mapping/Practical	Projector
	2:00-3:00 pm	4th Semester	Results related to U.C.	Projector
28/03/2024	9:00-11:00 am	4th Semester	Cauchy Criteria of U.C.	Projector
01/04/2024	10:00-11:00 am	4th Semester	Series of Function	Projector
04/04/2024	9:00-11:00 am	4th Semester	Dirichlet test Abel test	Projector

Video Link of Study Material: Sample

LINK OF SEMINAR: Click Here

Link of Feedback (ICT class): Click Here

GARGAON COLLEGE
SIMALUGURI

TEACHER'S DIARY

Name of the Department : Mathematics

Session : 23-24 (Sujata Goala).

2. (A). Individual Class Routine : (EVEN/ODD SEM) ✓   (Academic Session: 20.23 ..... 20.24...)

Day/ Time	9-10 AM	10-11 AM	11-12 NOON	12:00 NOON -1:00 PM	1:00 PM -2:00 PM	2:00 PM -3:00 PM	3:00 PM -4:00 PM
Monday	Sem I (MJ)	Sem III -(H-P)	Sem V (H)				
Tuesday	Sem V (H)	Sem V (H)			Sem V (H)	Sem III (H)	Sem V (H)
Wednesday	Sem I (GE)	Sem I -(GE)		Sem III (GE)	Sem III (H)	Sem V -(H)	
Thursday		Sem V -(H)	Sem V -(H)	Sem I (MJ)			
Friday	Sem V (H)	Sem V (H)			Sem I (SEC)		ADD ON -DR
Saturday					Sem V (H)	Sem III (H)	

Date	Class	Brief Description	Use of TLM/ICT	Mode Offline/online	Remarks
8/8/23	9-11am	Sem V			
	11-1pm	Library	ICT	offline	
	1-2pm	Sem V			
	2-3pm	Sem III			
	3-4pm	Sem V note preparation.			
9/8/23	9-12pm	Library (Note preparation)			
	12-1pm	Sem III GE Uniform Convergence			
	1pm-2pm	Sem III (H)	ICT	"	
	2-3pm	Sem I (Major) Legendry Polynomial.	ICT	"	
10/8/23	9-10am	Library (Note preparation)			
	10-12am	Sem V Bessel function.	ICT	"	
	12-1pm	Sem I Major Well Ordering Property	ICT	"	
	1pm-5pm	(Debashish) Financial Asst			
11/8/23	9-11am	Sem V Bessel function	ICT	"	
	11-1pm	Library			
	1pm-3pm	Note Preparation			
	3pm-5pm	GCTA Meeting			

Date	Class	Brief Description	Use of TLM/ICT	Mode Offline/online	
21/8/23	9:30-10am	Sem I (Exercise on mod)			
	10-11am	Question Paper setting Class test Sem III.			
	11-12	Official work (Note preparation)			
	12-5pm				
22/8/23		C.L.			
23/8/23		কল্প নিৰ্বাচি and official work. (Pendown)			
24/8/23	9-11 Am	NPS protest			
	11-12	Note Preparation			
	12-1pm	Launch			
	1-2pm	Meeting criterial.			
	2-4:45	Library			
	4.45-6.15	Chandrayan 3 (Telecast)			
25/8/23	9-10 am	Note Preparation			
	10-12pm	Sem V (Simplex)	ICT	offline.	
	12-1pm	Sem I (Mode)			
26/8/23	9-12pm	Note preparation			
	12-5pm	Quiz Competition (Work, Food organiser assistant).			
28/6/23	9-12pm	Class Sem I, III, V			
	12-5pm	ASAR work.			

OVERALL STATISTICS OF THE ICT CLASS

Semester	Total Class Load	Total ICT Class
1st	30	04
2nd	28	02
3rd	30	10
4th	49	26
5th	66	20
6th	42	02