

# GOUR MAHAVIDYALAYA

## DEPARTMENT OF MATHEMATICS

REACCREDITED BY NAAC (2<sup>nd</sup> Cycle) B+

Dr. Ashim Kumar Sarkar, M.A., M. Phil., Ph.D  
Principal.  
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# CLASS DIARY

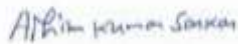
Session: 2022-23

## Department of Mathematics

Name of the Teachers:

1. Rakesh Sarkar
2. Dr. Tilak Kumar Pal
3. Poly Karmakar
4. Md. Sahid Alam

  
Head of the Deptt.  
Deptt. of Mathematics  
Gour Mahavidyalaya  
Mangalbari, Malda

  
(Dr. A. K. Sarkar)  
Principal  
Gour Mahavidyalaya  
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Mangalbari, Malda

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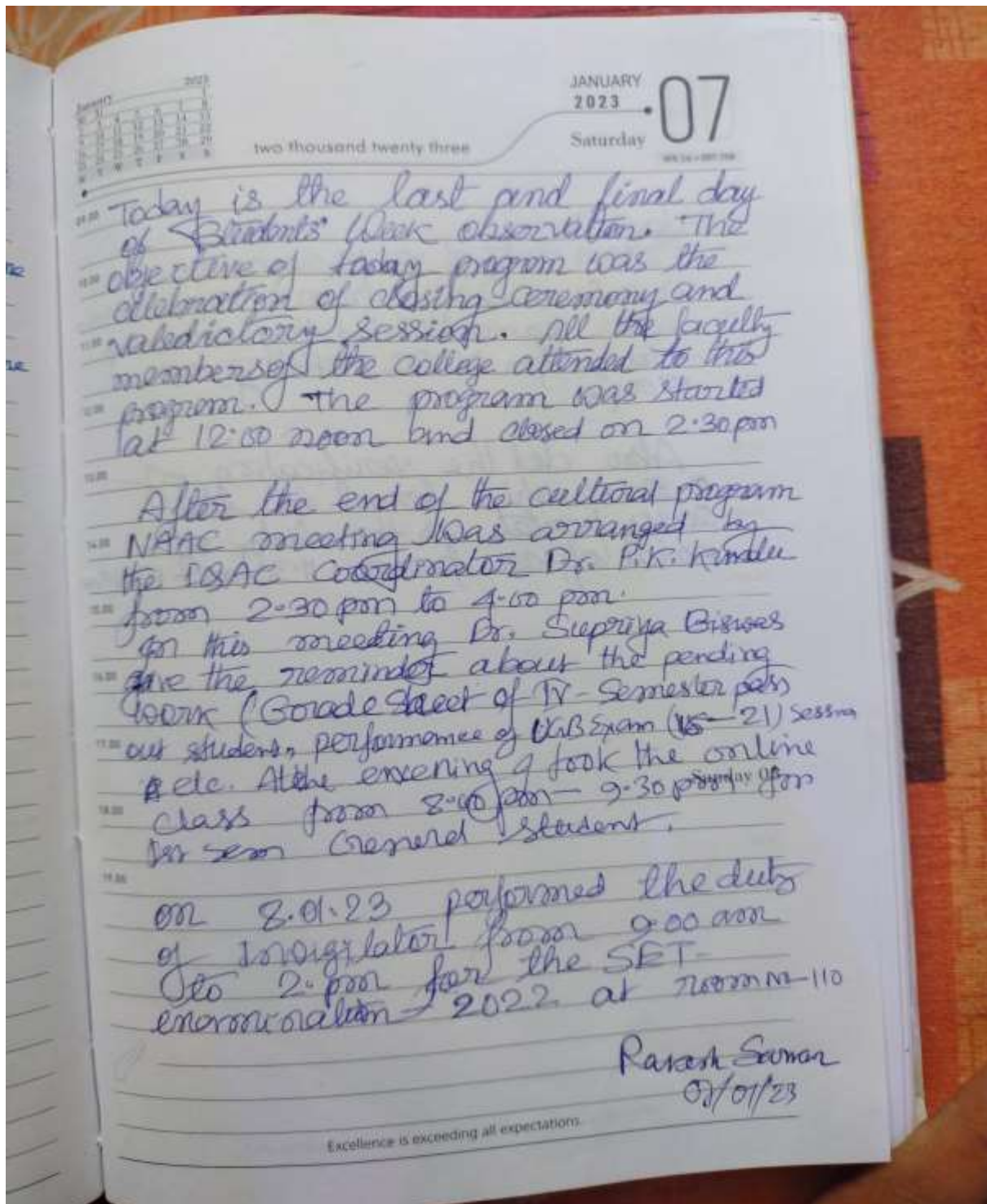
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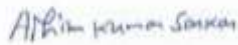


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### Class Diary of Rakesh Sarkar:



  
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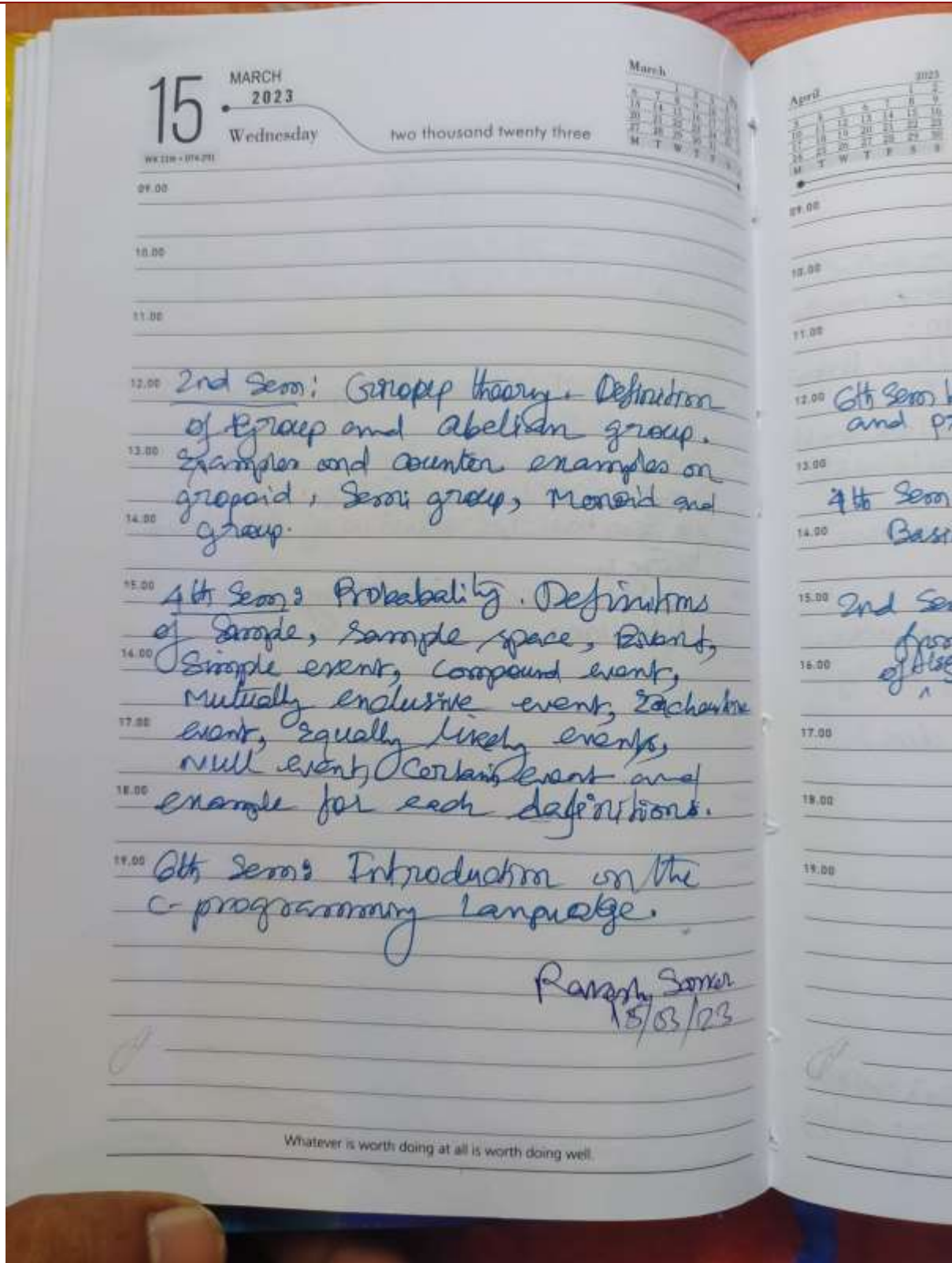
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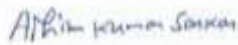
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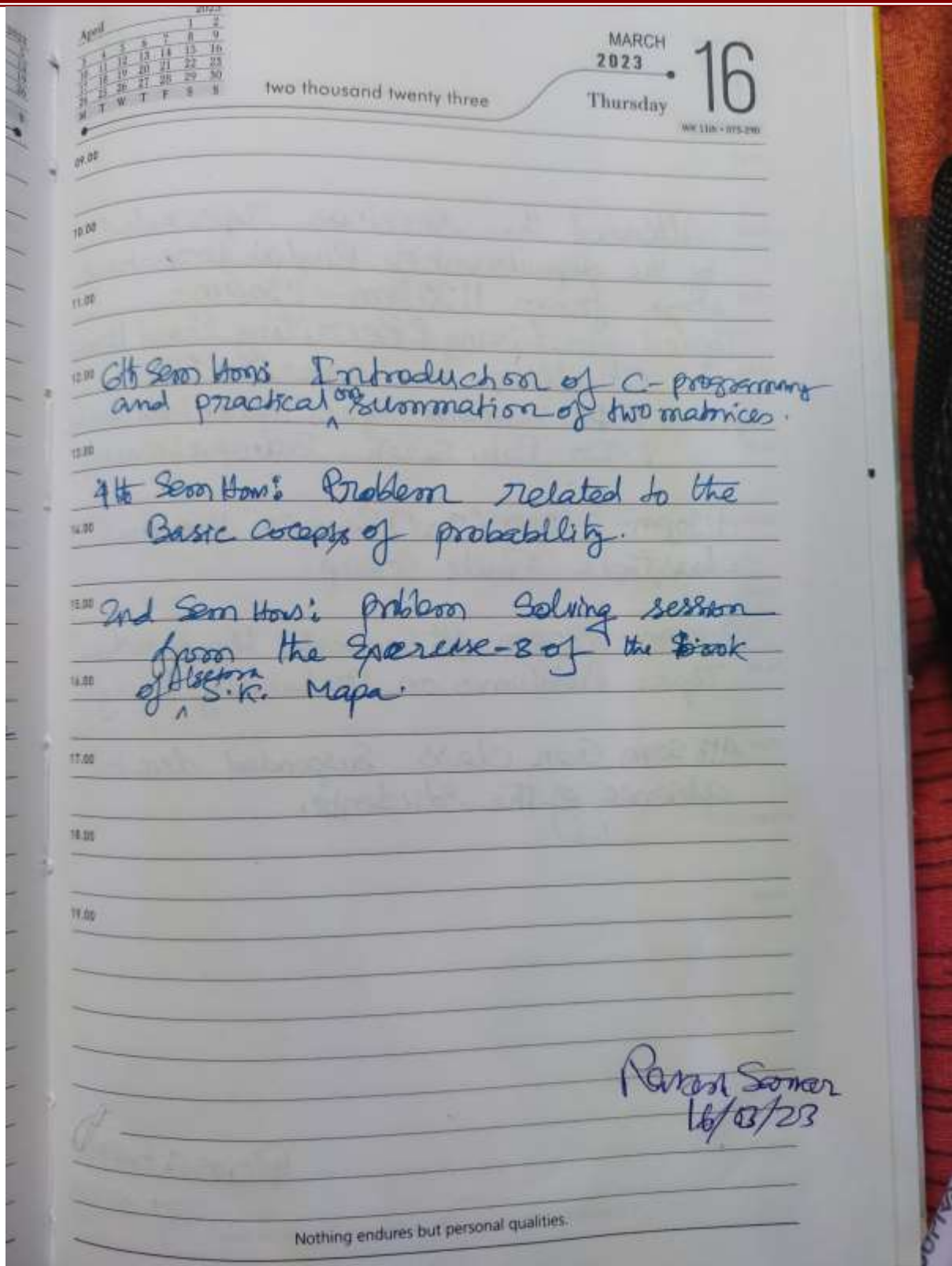
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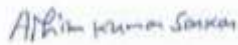
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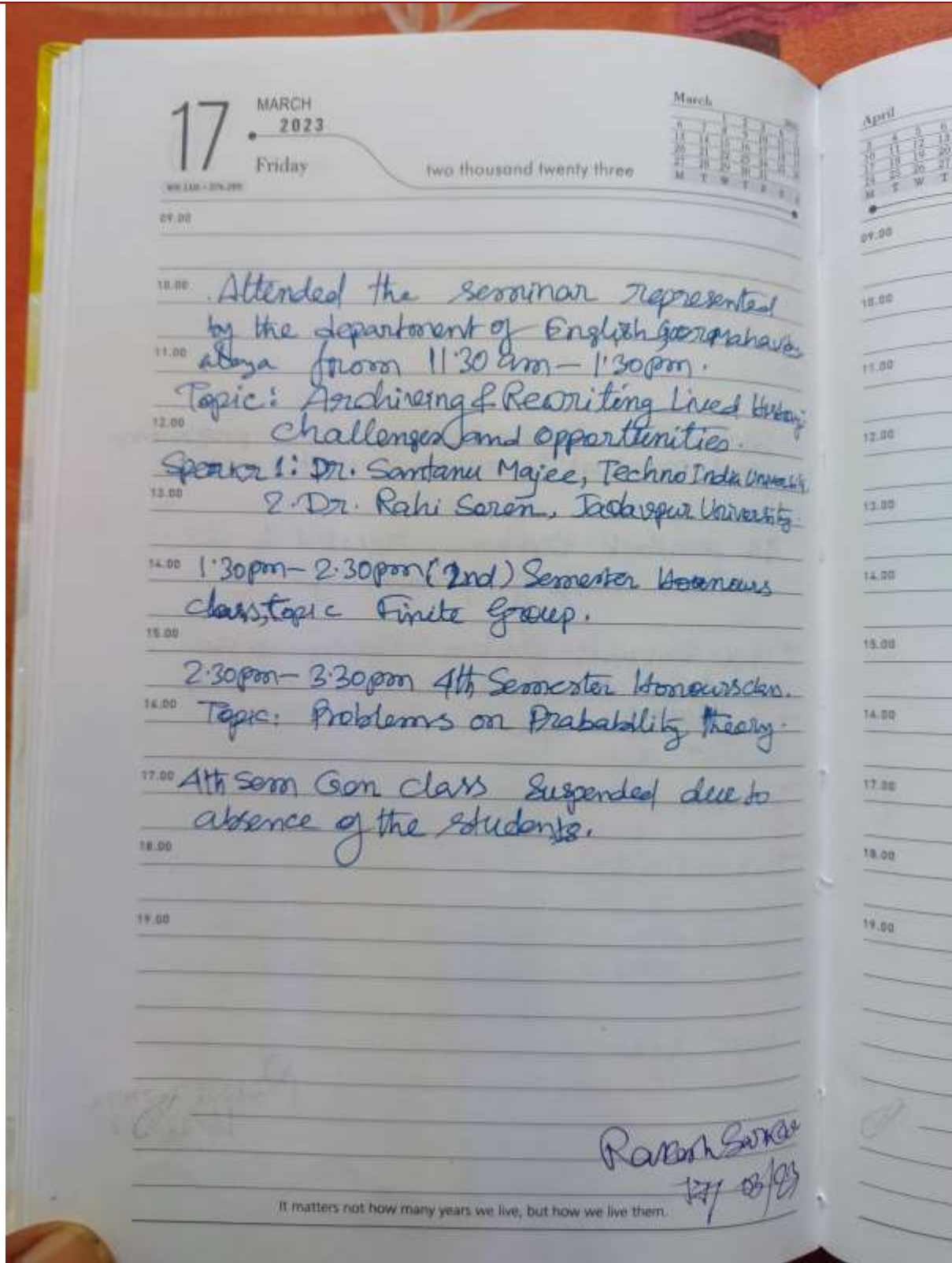
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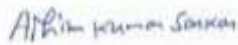
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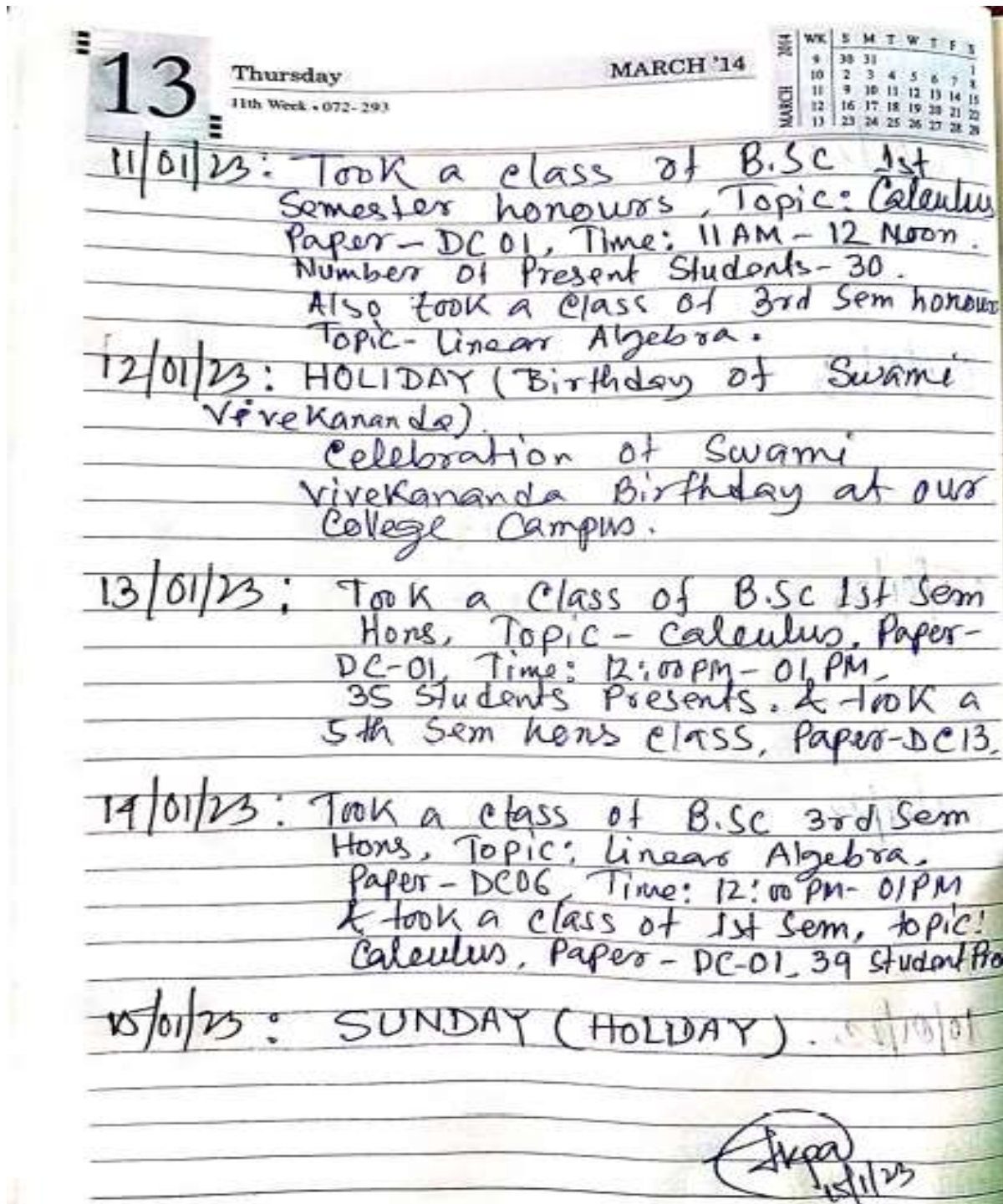
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### Class Diary of Dr. Tilak Kumar Pal:



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MARCH '14  
Friday 14<sup>th</sup>  
11th Week - 071-292

16/01/23: Took a class of 1st Sem General topic: Geometry, Paper- DC-01, total 20 students present. Took another class of 3rd Sem Hons, Paper- DC-01, Topic: Linear Algebra, time: 1 PM to 2 PM.

17/01/23: ~~Some~~ Some Department work academic work, NAAC related work perform in the present of department, ~~and~~

18/01/23: Attended at departmental meeting for academic work, NAAC related work, discuss our student for status of Math club.

19/01/23: Took class of B.Sc 3rd Sem Hons. Topic- Linear Algebra, Paper- DC-01, Time: 12:00- 01 PM, & took a class of 5th Sem General, students. Total 15 students presents.

20/01/23: Took a class of B.Sc 1st Sem Hons. Topic: Calculus, Paper- DC-01, Total 40 students present, & took a class of 3rd Sem Hons. Topic- Linear Algebra.

(Signature) 20/1/23

*(Signature)*  
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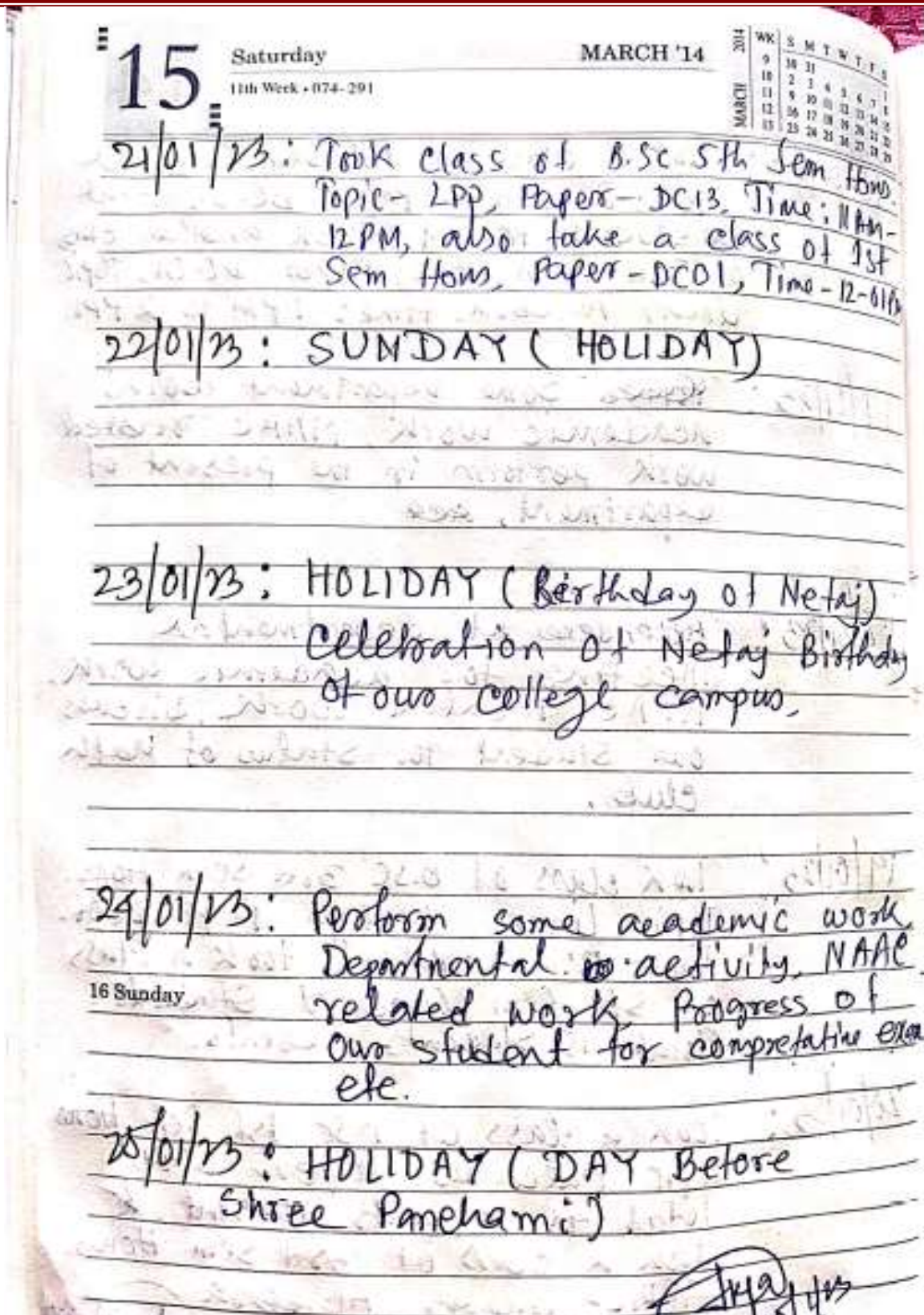
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WK	S	M	T	W	T	F	S
14		1	2	3	4	5	
15	6	7	8	9	10	11	12
16	13	14	15	16	17	18	19
17	20	21	22	23	24	25	26
18	27	28	29	30			

MARCH '14

Monday

12th Week - 070 - 200

17

28/01/23 : HOLIDAY ( Republic Day | ১৫/০৩/১৪  
Saraswati Puja)  
celebration of Republic Day  
at our college campus.

27/01/23 : Took a class of 1st Semester  
Hons, Paper - DC01, Topic - Calculus.  
Time: 12:00 - 01 PM, total 45  
student present. & took class of  
5th Sem Hons, Paper - DC-13.

28/01/23 : Took class of 1st Sem honours.  
topic - Calculus, Paper - DC01,  
time - 11 - 12 PM, & took class of  
3rd Sem Hons, topic - Linear Algebra  
Paper - DC06, 20 student present.

29/01/23 : SUNDAY (HOLIDAY)

30/01/23 : Took class of 1st Sem honours,  
topic - Calculus, Paper - DC01,  
Time - 12:00 - 01 PM, & took a class  
of 3rd Sem Hons, Paper - DC06,  
topic - Linear Algebra time - 01 PM - 02 PM

30/1/23

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### Class Diary of Poly Karmakar:

Monday  
**13** | 2023  
MARCH

12th Week • 072-293

WK	M	T	W	T	F	S	S
10		1	2	3	4	5	6
11	6	7	8	9	10	11	12
12	13	14	15	16	17	18	19
13	20	21	22	23	24	25	26
14	27	28	29	30	31		

09 6th sem (H.) :- Introduce topology  
sp., basis, subbasis.

10

11 4th sem (H.) :- Equation of 1st  
order & 1st degree, exact  
 $\& a^n$ .

12 2nd sem (H.) :- Real number  
systems, principle of mathematics  
01 induction, density property

02 6th sem (G.) :- concept of  
point wise and uniform conver-  
03 gence of seqn of function.

04

05 PK  
13/03/23.

06

Notes :

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	M	T	W	T	F	S	S
APRIL '23	14					1	2
	15	3	4	5	6	7	8
	16	10	11	12	13	14	15
	17	17	18	19	20	21	22
	18	24	25	26	27	28	29
						30	

2023  
MARCH | Saturday  
**18**  
12th Week • 077-288

09 2<sup>nd</sup> sem. (H.):  $\rightarrow$  open set, close  
10 set, limit point, closure  
of a set, Adherent point.

11 6<sup>th</sup> sem. (H.):  $\rightarrow$  subsp. top.  
12 basis of subsp. top.  
connectedness for subsp.

01 4<sup>th</sup> sem. (Gr.):  $\rightarrow$  solving of  
02 "initial value problems  
03 using numerical methods,  
Euler's, RK method.

04

05

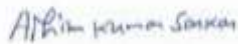
PK  
18/03/23

Sunday 19

06

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	M	T	W	T	F	S	S
APRIL '23	14					1	2
	15	3	4	5	6	7	8
	16	10	11	12	13	14	15
	17	17	18	19	20	21	22
	18	24	25	26	27	28	29
							30

Tuesday  
2023  
MARCH  
21

13th Week • 080-285

6th sem. (H.) :- Disconnectedness  
separation connected  
subsp. th.

2nd sem. (H.) :- Nested interval  
theorem.

4th sem. (H.) :- Method of  
variation of parameter  
Bernoulli's eq<sup>n</sup>

6th sem. (H.) :- Weierstrass  
M-test for uniform convergence  
of seq<sup>n</sup> of fun<sup>n</sup>.

PK  
21/03/23.

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Wednesday

22

2023

MARCH

13th Week • 081-284

WK	M	T	W	T	F	S	S
10			1	2	3	4	5
11	6	7	8	9	10	11	12
12	13	14	15	16	17	18	19
13	20	21	22	23	24	25	26
14	27	28	29	30	31		

09

2nd sem. (H.) - Enumerable set, countable set, theorem

10

11

12

6th sem (H.) - closure of connected subsp, cont. image of connected sp.

01

02

4th sem. (O.) - Numerical soln of system of linear eqn, Gauss elimination

03

04

6th sem. (O.) - Weierstrass M-test for uniform convergence of series of function.

05

06

PK  
22/03/23

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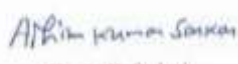


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## Class Diary of Md. Sahid Alam

	NOTES
DATE: 21.09.22	
SSH: (AUTOMORPHISM)	
	Automorphism of finite cyclic group. Example + clear previous class doubt.
ISH: (COMPLEX)	
	$n$ th root of unity. Geometrical approach. Simple problem. Some hard problem on De Moivre's th.
SSG: (FUNCTION OF SEVERAL VARIABLE)	
	Def <sup>n</sup> . Scalar and vector field. Directional and partial derivatives with example.
DATE: 22.09.22	 21.09.22

  
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NOTES



DATE : 01.12.22

ISG : (FUNCTIONS OF SEVERAL  
VARIABLE)

Euler's theorem, Basic  
problem.

ISH : (THEORY OF EQUATION)

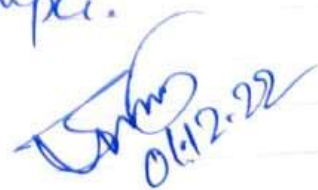
Relation between roots  
and coefficient of equation.  
Practical problem.


SSH : (GROUP ACTION)

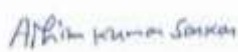
Permutation representation,  
Application of group  
Action.

SSH : (R-Integral)

Riemann integrability of  
monotone and continuous  
function. Example.

  
01/12.22

  
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Principal  
Gour Mahavidyalaya  
Mangalbari, Malda

# GOUR MAHAVIDYALAYA

## DEPARTMENT OF MATHEMATICS

REACCREDITED BY NAAC (2<sup>nd</sup> Cycle) B+

Dr. Ashim Kumar Sarkar, M.A., M. Phil., Ph.D  
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NOTES

DATE : 22.03.23

6SM : (C-Programming)


N-R. method on LINUX  
C- programming.

2SM : (SEQUENCE)

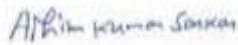
Sandwich theorem, Problem.  
Clear some previous  
concept.

4SG : (NUMERICAL INTEGRATION)

Discuss Simpson's  $\frac{1}{3}$  rule.  
Solve two example.

  
22.03.23

  
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NOTES

DATE: 28.03.23

2SG: (SE<sup>N</sup> OF REAL NUMBERS)

Def<sup>n</sup>, Bounded and monotonic sequence, theorems and example.

2SH: (SEQUENCE)

Subsequence, Monotonic subseq. Some th related to Subseq<sup>n</sup>. Idea of Bolzano-Weierstrass th.

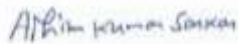
6SH: (TOPOLOGY)

Homeomorphism. In top. Space topological property. Example.

4SH: (KINEMATICS OF PARTICLE)

Introduction, velocity, acceleration, angular velocity, simple example.

  
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