

Swami Atmanand Govt. English Medium Model College Ambikapur  
Time Table for Chemistry Classes  
Session 2023-24

Class	10:50 -11:30	11:30-12:10	12:10-12:50	12:50-1:30	1:30-2:10	2:30 -3:10	3:10-4:10	4:10-5:10
B.Sc. I			Chemistry M,T- Dr. S. N. Sahu W, Th- Mr. Dubey F, S:- Mr. Sagar				Monday, Chemistry Practical, Mr. Dubey	
B.Sc. II	Chemistry M, T- Mr. M. Dubey W, Th- Mr. Sagar F, S- Dr. S. N. Sahu						Wednesday, Chemistry Practical, Dr. S. N.Sahu	
B.Sc. III					Chemistry M, T- Mr. Sagar W, Th :- Dr. S. N. Sahu F, S- Mr. Dubey		Friday Chemistry Practical, Mr. Dubey	
M.Sc. I (Chemistry)	Dr. S. N. Sahu (M, T, W, Th Mr. Dubey ( F, S)	Mr. Sagar (M to S)		Mr. Dubey (M, T,W, Th) Dr. S. N. Sahu (F, S)		Mr. Sagar M, T, W	Tuesday M.Sc. Chemistry (1 st semester ) Practical Dr. S. N. Sahu	
M.Sc. III (Chemistry)	Mr. Sagar (M, T, F, S)	Dr. S. N. Sahu (M, T) Mr. Dubey (W, Th, F, S)	Mr. Dubey (M,T) Mr. Sagar (W, Th) Dr. S. N. Sahu(F, S)	Dr. S. N. Sahu (W, Th)		Mr. Sagar Th, F, S	Thursday M.Sc. Chemistry (3 rd semester) Practical Mr. Dubey	

Principal

Swami Atmanand Govt. English Medium Model College Ambikapur |

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**SWAMI ATMANAND GOVT. ENGLISH MEDIUM MODEL COLLEGE AMBIKAPUR**  
**TIME-TABLE**  
**2023-24**

Class	10:50 To 11.30	11.30 To 12.10	12.10 To 12.50	12.50 To 1.30	1.30 To 2.10	2.30 To 3.10	3.10 To 3.50	3.50
B.Sc.I	Biotech ( R.No. 2) Microbio ( R.No. 10) Maths ( R.No. 18)	Physics ( R.No. 20) Botany (R.No. 9)	Chem. ( Hall ) IT ( R.No.13 )	Zoology ( R.No. 1) Maths ( R.No. 18)	FC ( Hall)	M/T- Bot/Phy W/Th - Zoo./IT F/S Micro/ Biotech Practical	M/T Chem. Practical  W/Th Evs.	Library & Other Activities
B.Sc.II	IT ( R.No. 13) Chem. ( Hall)	Biotech ( R.No. 2) Microbio ( R.No. 10)	Zoology ( R.No. 1) Maths ( R.No. 18)	FC ( Hall)	Physics ( R.No. 20) Botany ( R.No. 9)	W/Th - Bot./Phy. F/S - Zoology/IT M/T- Micro/Biotech Practical	Chem. Practical W/Th	
B.Sc.III	Zoology ( R.No. 1) Maths ( R.No. 18)	F.C. (Hall)	Physics ( R.No. 20) Botany ( R.No. 9)	Biotech ( R.No. 2)  Microbio ( R.No. 10)	Chemistry ( R.No. 18) IT ( R.No. 13)	M/T - Zoology/IT F/S - Bot/ Phy. W/Th- Micro/ Biotech Practical	F/S- Chem. Practical	

समय-सारणी समिति

1. डॉ. एनमेरी खलखो
2. श्री सुशील कुमार कश्यप
3. सुश्री मधुलिका कुजूर
4. श्री धर्मेन्द्र कुमार यादव
5. श्री अजय सिंह शाक्या

  
**PRINCIPAL**  
Swami Atmanand Govt.  
English Medium Model College  
Ambikapur, Surguja (G.G.)

# MONTH - AUGUST.

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Class Date	Period.	M. Sc I Semester		M. Sc. Third Semester		Signature	
						lecturer	HOD
08/08/23	I <sup>st</sup> *	Discussion of syllabus of				Sima 08/08/23	
	II <sup>nd</sup> *	Topology and Introduction of Topology and Costructure					
09/08/23	<del>---</del>	<del>Answers, Divas sets</del>		<del>---</del>	<del>---</del>		
10/08/23	I <sup>st</sup> *	Introduction of syllabus of Advance Abstract Algebra and Introduction of groups				Sima 10/08/23	
11/08/23	II <sup>nd</sup> *	Explanation of groups, subgroups and their properties.					
11/08/23	I <sup>st</sup> *	Uncountable sets and its example.				Sima 11/08/23	08/08/23
	II <sup>nd</sup> *	Abelian group, subgroup and Normal subgroup.					
12/08/23	I <sup>st</sup> *	Example of uncountable and countable sets in topology				Sima 12/08/23	25/08/23
	II <sup>nd</sup> *	Example of Abelian and normal subgroup					

Class Date	Period	M.Sc I Semester	M.Sc. III <sup>rd</sup> Semester.	Signature
13/08/23		SONDAY		
14/08/23	I	* Definition of Quotient, factor group and example related to it		<u>Jim</u> 14/08/23
	II	* Normal and Abnormal Series with example.		
15/08/23		Independence	day	
16/08/23	I	* Subnormal series and examples related to it	* Introduction of syllabus, Discussion of unit and marking scheme of Numerical Analysis	<u>Jim</u> 16/08/23
17/08/23	I.	* Definition of Composition series and example related to it	* Finite Differences, forward or Descending differences.	<u>Jim</u> 17/08/23
18/08/23	I	* Introduction of Simple group, maximal normal subgroup, factor group	① Backward or Ascending differences and nth forward difference.	<u>Jim</u> 18/08/23

Class Date	Period	M. Sc 1st Semester
18/08/23	II	
19/08/23	I	* Statement and prove of a theorem - Every finite group has composition series
	II	
20/08/23		SONDA Y
21/08/23	I	* Statement of Jordan holder theorem and half prove.
	II	* Complete proof of Jordan holder theorem.

M. Sc 3rd semester.	Signature Lecturer	HOD
* With backward difference statement and proof.	<u>Jim</u> 18/08/23	
* Difference formula (1 to 5) commutative, distributive indices law	<u>Jim</u> 19/08/23	
* Difference formula (8 to 12) product of two function, $\Delta \log n$ , $\Delta \cos(qn + b)$ , $\Delta e^x$ , $\Delta \sin(qn + b)$		
I statement of fundamental theorem of Difference Calculus.	<u>Jim</u> 21/08/23	
* Half proof of fundamental theorem of Difference Calculus.		

Class Date	Period	M.Sc. 1st semester		M.Sc. 3rd semester	
					Signature Lecturer + HOD
26/08/23	(I)	Every subgroup of solvable group is solvable.		The shift operator $E$ and its properties	<u>Jim</u> 26/08/23
	(II)	Any finite $p$ group is solvable.			
27/08/23		SUNDAY			
28/08/23	(I)	Symmetric groups of degree 3 is solvable.		properties of the operators $E$ and $D$	<u>Jim</u> 28/08/23
	(II)	Symmetric group $S_4$ of degree 4 is solvable.			
29/08/23	(I)	Nilpotent group, and a characteristic property of Nilpotent group.		Relation between operator $E$ of finite differences and Differential coefficient.	<u>Jim</u> 29/08/23
30/08/23		RAKSMA BANDHAN			
31/08/23	(I)	Examples of Nilpotent group solution of some Nilpotent related question.		factorial Notation.	<u>Jim</u> 31/08/23

SEPTEMBER

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Class Date	B.Sc (first year)	B.Sc 2nd year	B.Sc final year	Signature	
				lecturer	h.o.d
09/09/23	Numericals related to Taylor theorem in finite form with Lagrange's.	Introduction of syllabus and scheme and old	book, Discussion units, marking question papers.	<i>Sim</i> 09/09/23	
10/09/23		- SUNDAY -			
11/09/23	Definition of curvature Example of curvature.	power series, Differential equation series method.	Solution of	<i>Sim</i> 11/09/23	
12/09/23	Intrinsic coordinate and formulae for finding radius of curvature.	Solve by power method $\frac{dy}{dx} - y = 0$	series $y' - y = 0$	<i>Sim</i> 12/09/23	
13/09/23	Q1) find radius of curvature of the points $(s, \phi)$ of the cycloid. $s = 4a \sin \phi$ and $\phi = 8a \sin^2 \frac{1}{2} \phi$	Solve in series $\frac{d^2y}{dx^2} - y = 0$ or $y'' - y = 0$	equation $-y = 0$	<i>Sim</i> 13/09/23	
14/09/23	find the radius of curvature at the point $y^2 = 4ax$ .	Solve By power $\frac{d^2y}{dx^2} + y = 0$	series method	<i>Sim</i> 14/09/23	
15/09/23	Cartesian formulae for finding the radius of curvature.	Solve By power $\frac{d^2y}{dx^2} + ny = 0$ or	series method $y' + ny = 0$	<i>Sim</i> 15/09/23	
16/09/23	to find radius of ellipse $\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$ , $p = \frac{a^2b^2}{p^3}$	Ordinary and point with	Singular examples.	<i>Sim</i> 16/09/23	
17/09/23		- SUNDAY -			
18/09/23		- TEEJ -			
19/09/23		GANESH CHATURDI			

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Class Date	B.Sc (first year)	B.Sc (2nd year)	B.Sc. (3rd year)	Signature Lecturer	HOD
20/09/23	Definition of Asymptotes example, and method for finding Asymptotes of the curve		Definition of center of group and suppose $(G) = \{g\}$ then if and only if $a \in Z(G)$ .	<u>Genius</u> 20/09/23	
21/09/23	Find the Asymptotes of the curve $x^3 + 2x^2y - xy^2 - 2y^3 + 2xy^2 - 1 = 0$		Definition of Normalizer of an element. The normalizer $N(a)$ of $a \in G$ is a subgroup of $G$ .	<u>Genius</u> 21/09/23	
22/09/23	$4x^3 - x^2y - 4xy^2 + y^3 + 3x^2 + 2xy - y^2 - 7 = 0$		Prove of theorem, the center $Z(G)$ of a group $G$ is always a normal subgroup of $G$ .	<u>Genius</u> 22/09/23	
23/09/23	Find the asymptotes of the curve $x^3 + y^3 - 3xy = 0$ .		Counting principle and the class equation of a finite group.	<u>Genius</u> 23/09/23	
24/09/23	SUNDAY				
25/09/23	KARMA				
26/09/23	Two parallel asymptotes	Regular and irregular or singularities		<u>Genius</u> 26/09/23	
27/09/23	Resolution of $y^3 + x^2y + 2xy^2 - y + 1 = 0$	obtain the series of the differential equation	Solution of $\frac{dy}{dx} - 2y = 0$	<u>Genius</u> 27/09/23	
29/09/23	$x^3 + x^2y - xy^2 - y^3 - 3x - y = 0$	$(2-x) \frac{d^2y}{dx^2} + 2x \frac{dy}{dx} - 2y = 0$	<del>EJO - MILADUN</del> <del>NABZ</del>		
29/09/23	Asymptotes parallel to axes and solution of $\frac{dy}{dx} + \frac{y^2}{y^2} = 0$	find the series of the linear differential equation $4x \frac{d^2y}{dx^2} + 2x \frac{dy}{dx} - 2y = 0$	Solution of equation $+y = 0$	<u>Genius</u> 29/09/23	
30/09/23	(a) $y^3 + x^2y + 2xy^2 - y + 1 = 0$ (b) $x^2y^3 + x^3y^2 = x^3y^3$	$2x \frac{d^2y}{dx^2} + \frac{dy}{dx} + 2xy = 0$	$= 0$	<u>Genius</u> 30/09/23	

10/11/23



Class	B.Sc (First Year)	B.Sc (Second Year)	B.Sc (III Year)	Signature	MOD
Date					
14/10/23	find the nature of the origin $x^3 + y^5 = 3axy$		Ring theory and one theorem related to it	<u>Shiva</u> 14/10/23	
15/10/23		Sunday			
16/10/23	Tracing of curve, Steps explanation			<u>Shiva</u> 16/10/23	
17/10/23	Tracing of Cartesian curve & steps explanation			<u>Shiva</u> 17/10/23	
18/10/23	Trace the curve $y^2(2a-x) = x^3$			<u>Shiva</u> 18/10/23	
19/10/23	Trace the curve $xy^2 = 4a^2(2a-x)$			<u>Shiva</u> 19/10/23	
20/10/23	Tracing of polar curve explanation			<u>Shiva</u> 20/10/23	
21/10/23	Trace the curve $y^2(a-x) = x^2(a+x)$			<u>Shiva</u> 21/10/23	
22/10/23		Dussehra			
23/10/23					
24/10/23					
25/10/23					
26/10/23	Trace the curve $r = a(1 + \cos \theta)$ cardioid			<u>Shiva</u> 26/10/23	
27/10/23	Trace the curve $r^2 = a^2 \cos \theta$			<u>Shiva</u> 27/10/23	
28/10/23	Trace the curve $r = a + b \cos \theta$			<u>Shiva</u> 28/10/23	
29/10/23		Sunday			
30/10/23	Steps explanation of tracing of parametric curve			<u>Shiva</u> 30/10/23	
31/10/23	Trace the cycloid $x = a(t + \sin t)$ $y = a(1 + \cos t)$			<u>Shiva</u> 31/10/23	

21/10/2023