

MONTH - AUGUST.

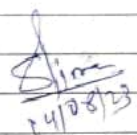
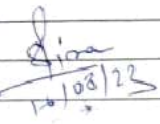


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Class Date	Period.	M. Sc I Semester	M. Sc. Third Semester	Signature	
				Lecturer	HOD
08/08/23	I st	* Discussion of syllabus of Topology and Introduction of Topology and countable sets		<u>Sim</u> 08/08/23	
09/08/23	II nd	* <u>Uncountable</u> <u>divers</u> sets			
10/08/23	I st	* Introduction of syllabus of Advance Abstract Algebra and Introduction of groups		<u>Sim</u> 10/08/23	
11/08/23	II nd	* explanation of groups, subgroups and their properties.			3/80/21
11/08/23	I st	* Uncountable sets and its example.		<u>Sim</u> 11/08/23	
	II nd	* Abelian group, subgroup and Normal subgroup.			50/E1
12/08/23	I st	* Example of uncountable and countable sets in topology		<u>Sim</u> 12/08/23	25/1/81
	II nd	* Example of Abelian and normal subgroup			

Class Date	Period	M.Sc I Semester	M.Sc. III rd Semester.	Signature	
				Lecturer	HOD
13/08/23		SONDAY			
14/08/23	I	* Definition of Quotient, factors, coset and example related to it		 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	 16/08/23	
17/08/23	I.	* Definition of Composition series and example related to it	* Finite Differences, forward or Discreting differences		 17/08/23
18/08/23	I	* Introduction of Simple group, maximal normal subgroup, factor group	⑤ Backward or Ascending differences and orth forward difference.	 18/08/23	

Class Date	Part	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	MOD
* With backward difference statement and proof.	<u>Sina</u> 18/08/23	
* Difference formula (1 to 5) Commutative, Distributive Indices law	<u>Sina</u> 19/08/23	
* Difference formula (8 to 12) product of two function, $\Delta \log x$, $\Delta \cos(ax+b)$ Δe^x , $\Delta \sin(ax+b)$		
* I statement of fundamental theorem of Difference Calculus.	<u>Sina</u> 21/08/23	
* Half proof of fundamental theorem of Difference Calculus.		

Class Date	Serial	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>	
	(II)	Any finite p group is solvable.			
27/08/23	SUNDAY				
28/08/23	(I)	Symmetric group S_3 of degree 3 is solvable	properties of the operators E and D	<u>Jim</u>	
	(II)	Symmetric group S_4 of degree 4 is solvable			
29/08/23	(I)	Nilpotent group, and a characteristic property of nilpotent groups.	Relation between operator E of finite differences and Differential coefficient.	<u>Jim</u>	
30/08/23	RAKSHA BANDHAN				
31/08/23	(I)	Examples of Nilpotent groups, solution of some Nilpotent related questions.	factorial Notation.	<u>Jim</u>	

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.	Introduction of syllabus and scheme and old	book, Discussion units, marking question papers.	<u>Sim</u> 09/09/23	
10/09/23		SUNDAY			
11/09/23	Definition of curvature Example of curvature.	power series, Differential equation series method.	Solution of series	<u>Sim</u> 11/09/23	
12/09/23	Intrinsic coordinate and formulae for finding radius of curvature	Solve by power method $\frac{d^2y}{dx^2} - y = 0$	series $= 0, y' - y = 0$	<u>Sim</u> 12/09/23	
13/09/23	Q.1) find radius of curvature of the points (s, ϕ) 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 $-y = 0$	<u>Sim</u> 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	<u>Sim</u> 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 $y' + ny = 0$	<u>Sim</u> 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	<u>Sim</u> 16/09/23	
17/09/19		SUNDAY			
18/09/19	TEEJ				
19/09/19		GANESH CHATUR	R.H.T.		

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Class Date	BISC (first year)	B. Sc (2nd year)
20/09/23	Definition of Asymptotes example, and Method for finding Asymptotes of the Curve	
21/09/23	Find the Asymptotes of the curve $x^3 + 2x^2y - 7y^2 - 2y^3 + 4xy^2 - 1 = 0$	
22/09/23	$4x^3 - x^2y - 4xy^2 + y^3 + 3x^2 + 2xy - y^2 - 7 = 0$	
23/09/23	find the asymptotes of the curve $x^3 + y^3 - 3axy = 0$	
24/09/23		SUNDAY
25/09/23		KARMA
26/09/23	Two parallel asymptotes	Regular and irregular singularities
27/09/23	Solution of $y^3 + x^2y + 2xy^2 - y + 1 = 0$	Obtain the series solution of differential equation
28/09/23	$x^3 + x^2y - xy^2 - y^3 - 3xy - 1 = 0$	EJD - MURDUN
29/09/23	Asymptotes parallel to axes and solution of $\frac{a^2}{m^2} + \frac{b^2}{n^2} = 1$	find the series solution of the linear differential equation $4x \frac{d^2y}{dx^2} + 2x \frac{dy}{dx} + y = 0$
30/09/23	(a) $y^3 + x^2y + 2xy^2 - y + 1 = 0$ (b) $x^2y^3 + x^2y^2 = 2x^2y^3$	$\frac{2x^2dy}{dx} + \frac{dy}{dx} + ny = 0$

SEPTEMBER

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B.Sc. (3rd year)	Signature Lecturer HOD
Definition of center of group and suppose $(a, -1)$ is the center of $Z(n)$.	<i>[Signature]</i> 20/09/23
Definition of normalizer of an element. The normalizer $N(a)$ of a is a subgroup of G .	<i>[Signature]</i> 21/09/23
Proof of theorem, the center $Z(n)$ of a group is always a normal subgroup of G .	<i>[Signature]</i> 21/09/23
Counting principle and the class equation of a finite group.	<i>[Signature]</i> 23/09/23
Two parallel asymptotes	<i>[Signature]</i> 26/09/23
Solution of $y^3 + x^2y + 2xy^2 - y + 1 = 0$	<i>[Signature]</i> 27/09/23
Asymptotes parallel to axes and solution of $\frac{a^2}{m^2} + \frac{b^2}{n^2} = 1$	<i>[Signature]</i> 29/09/23
(a) $y^3 + x^2y + 2xy^2 - y + 1 = 0$ (b) $x^2y^3 + x^2y^2 = 2x^2y^3$	<i>[Signature]</i> 30/09/23

10/09/23

OCTOBER

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Class	B.Sc (First Year)	B.Sc (Second Year)
14/10/23	Find the nature of the origin $x^3 + y^3 = 3axy$	
15/10/23		Sunday
16/10/23	Tracing of curve, Steps explanation	
17/10/23	Tracing of Cartesian curve & brief explanation	
18/10/23	Trace the curve $y^2(2a-x) = x^3$	
19/10/23	Trace the curve $xy^2 = 4a^2(a-x)$	
20/10/23	Tracing of polar curve explanation	
21/10/23	Trace the curve $y^2(a-x) = x^2(a+x)$	
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	
27/10/23	Trace the curve $r^2 = a^2 \cos \theta$	
28/10/23	Trace the curve $r = a + b \cos \theta$	
29/10/23		Sunday
30/10/23	Step by explanation of tracing of parametric curve	
31/10/23	Trace the cycloid $x = a(t + \sin t)$ $y = a(1 - \cos t)$	

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Class	B.Sc (III year)	Signature
	Ring theory and one theorem related to it	M.D 14/10/23
		M.D 15/10/23
		M.D 16/10/23
		M.D 17/10/23
		M.D 18/10/23
		M.D 19/10/23
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		M.D 28/10/23
		M.D 29/10/23
		M.D 30/10/23
		M.D 31/10/23