

			LESSON PLAN
	DISCIPLINE: MATHEMATICS	SEMESTER	NAME OF THE TEACHING FACULTY: Smt Mamata Nayak, Smt.
			SEMESTER FROM : 20TH MARCH, 2023 TO 27TH
SL. NO.	WEEK/MONTH	NO. OF DAYS PER WEEKS CLASS	No. of Days/per week class allotted: 05 classes
1	4TH/MARCH	1ST	1. Vector Algebra :-1.1
		2nd	1.2 Types of vectors
		3rd	1.3 magnitude and direction of
		4th	1.4 addition and subtraction of
		5th	1.5 position vector
2	5TH/MARCH	1ST	1.6 scalar product of two vectors
		2nd	1.7 geometrical meaning of dot
		3rd	1.8 scalar and vector projection of product of two vectors
		4th	1.9 scalar and vector projection of two vectors
		5th	1.10 vector product and geometrical meaning
3	1ST/APRIL	1ST	1.11 area of triangle using vector
		2nd	1.11 area of parallelogram using
		3rd	some important problems on scalar
		4th	important problems on vector product
		5th	2. Limit and continuity:- 2.1 definition of function based on set
4	2ND /APRIL	1ST	2.2 types of functions
		2nd	2.3 Introduction of limit 2.4
		3rd	2.4 methods of evaluation of limit
		4th	(iii) rationalisation method (iv) using some standard result
		5th	(b) trigonometric limit
5	3RD/APRIL	1ST	(c) exponential & logarithmic limit
		2nd	2.5 left hand limit & right hand
		3rd	2.6 limit continuity of a function at a point
		4th	problems on limit continuity
		5th	some important problems

6	4TH/APRIL	1ST	3 .Derivative:- 3.1 derivative of a
		2nd	3.2 algebra of derivative
		3rd	3.3 derivative of standard
		4th	3.4 derivative of composite
		5th	3.4 derivative of composite
7	1ST/MAY	1ST	3.4 derivative of composite
		2nd	3.5 methods of differentiation (i)
		3rd	(i)inverse trigonometric function
		4th	(ii)implicit function
		6th	(iii) parametric function
8	2ND/MAY	1ST	(iv) a function with respect to
		2nd	(v) using logarithm
		3rd	(v) using logarithm
		4th	3.6 application of derivative (i)
		5th	(i)succesive differentiation
9	3RD/MAY	1ST	(ii) partial differentiation
		2nd	(ii) partial differentiation
		3rd	problems on above
		4th	problems on above
		5th	chapter revision with some
10	4TH/MAY	1ST	4. INTEGRATION:- 4.1 definition of
		2nd	4.2 integrals of standard functions
		3rd	4.3 methods of integration (i) integ
		4th	(i)integration by substitution
		5th	(i)integration by substitution
11	5TH/MAY& 1ST/JUNE	1ST	(ii)integration by parts
		2nd	(ii)integration by parts
		3rd	(ii)integration by parts
		4th	4.4 integration of the forms
		5th	4.4 integration of the forms

12	2ND/JUNE	1ST	4.5 definite integral
		2nd	properties of definite integral
		3rd	4.6 application of integration (i) are
		4th	(ii)area of a circle with centre at ori
		5th	some ipmortant problems.
13	3RD/JUNE	1ST	5. DIFFERENTIAL EQUATION:- 5.1 d
		2nd	5.2 order & degree of a
		3rd	5.3 solution of differential equation
14	4TH/JUNE	1ST	problems on variable separation m
		2nd	problems on variable separation m
		3rd	(II)linear differential equation
		4th	problems on above
		5th	problems on above
15	5TH/JUNE	1ST	problems on above
		2nd	problems on above

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Semester-2nd Summer 2022, Subject-Enggining Math-II, E

Name of Faculty-Mrs.Sanghamitra Nath

Date	Topics to be covered as per Lesson Plan	Topics Actually Covered
3/14/2022	1. Vector Algebra :-1.1 Introduction & representation of vector.	All
3/15/2022	1.2 Types of vectors	All
3/18/2022	1.3 magnitude and direction of vectors	All
3/21/2022	1.4 addition and subtraction of vectors	All
3/25/2022	1.5 position vector	All
3/26/2022	1.6 scalar product of two vectors	All
3/28/2022	1.7 geometrical meaning of dot product .1.8 angle between two vectors	All
3/29/2022	1.9 scalar and vector projection of two vectors	All
3/30/2022	1.10 vector product and geometrical meaning	All
3/31/2022	1.11 area of triangle using vector product	All
4/2/2022	1.11 area of parallelogram using vector product	All
4/4/2022	some ipmortant problems on scalar product	All
4/5/2022	important problems on vector product	All
4/6/2022	2. Limit and continuity:- 2.1 definition of function,based on set theory	All
4/7/2022	2.2 types of functions	All
4/8/2022	2.3 Introduction of limit 2.4 existence of limit	All
4/9/2022	2.4 methods of evaluation of limit	All
4/11/2022	(iii) rationalisation method (iv) using some standard result	All
4/12/2022	(b) trigonometric limit	All
4/13/2022	(c) exponential & logarthmic limit	All
4/16/2022	2.5 left hand limit & right hand limit	All
4/18/2022	2.6 limit continuity of a function at a point	All
4/19/2022	problems on limit continuity	All
4/20/2022	some important problems	All
4/21/2022	some important problems	All
4/22/2022	3 .Derivative:- 3.1 derivative of a function at a point	All
4/23/2022	3.2 algebra of derivative	All
4/25/2022	3.3 derivative of standard functions	All

4/26/2022	3.4 derivative of composite function	All
4/27/2022	3.4 derivative of composite function	All
5/4/2022	3.4 derivative of composite function	All
5/5/2022	3.5 methods of differentiation (i) inverse trigonometric function	All
5/6/2022	(i) inverse trigonometric function	All
5/7/2022	inverse trigonometric function	All
5/9/2022	(ii) implicit function	All
5/7/2022	(iii) parametric function	All
5/10/2022	(iv) a function with respect to another function	All
5/11/2022	(v) using logarithm	All
5/12/2022	(v) using logarithm	All
5/17/2022	3.6 application of derivative (i) successive differentiation	All
5/19/2022	(i) successive differentiation	All
5/20/2022	(ii) partial differentiation	All
5/21/2022	(ii) partial differentiation	All
5/23/2022	problems on above	All
5/24/2022	problems on above	All
5/25/2022	chapter revision with some important problems	All
5/26/2022	4. INTEGRATION: - 4.1 definition of integration as inverse of differentiation	All
5/27/2022	4.2 integrals of standard functions	All
5/28/2022	4.3 methods of integration (i) integration by substitution	All
5/31/2022	(i) integration by substitution	All
6/1/2022	(i) integration by substitution	All
5/2/2022	(ii) integration by parts	All
6/3/2022	(ii) integration by parts	All
6/4/2022	(ii) integration by parts	All
6/6/2022	4.4 integration of the forms	All
6/7/2022	4.4 integration of the forms	All
6/8/2022	4.5 definite integral	All
6/9/2022	properties of definite integral	All

6/10/2022	4.6 application of integration (i) area enclosed by a curve and x-axis	All
6/11/2022	(ii) area of a circle with centre at origin	All
6/13/2022	some important problems.	All
6/17/2022	5. DIFFERENTIAL EQUATION:- 5.1 definition	All
6/18/2022	5.2 order & degree of a differential equation	All
6/20/2022	5.2 order & degree of a differential equation	All
6/21/2022	5.3 solution of differential equation	All
6/22/2022	problems on variable separation method	All
6/23/2022	problems on variable separation method	All
6/24/2022	(II) linear differential equation	All
6/27/2022	problems on above	All
6/28/2022	problems on above	All
6/29/2022	some important problems.	All
6/30/2022	some important problems.	All

Branch- MECHANICAL

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Points/contents Discussed (in brief)	Signature of Teacher
Introduction & representation of vector.	
Types of vectors	
magnitude and direction of vectors	
addition and subtraction of vectors	
position vector	
scalar product of two vectors	
geometrical meaning of dot product . angle between two vectors	
scalar and vector projection of two vectors	
vector product and geometrical meaning	
area of triangle using vector product	
area of parallelogram using vector product	
some important problems on scalar product	
important problems on vector product	
Limit and continuity:- definition of function,based on set theory	
types of functions	
Introduction of limit .existence of limit	
(a) algebraic limit (i) direct substitution method (ii)factorisation method	
rationalisation method (iv) using some standard result	
trigonometric limit	
exponential & logarithmic limit	
left hand limit & right hand limit	
limit continuity of a function at a point	
problems on limit continuity	
some important problems	
some important problems	
derivative of a function at a point	
algebra of derivative	
derivative of standard functions	

chain rule	
chain rule	
chain rule	
nverse trigonomtric functio	
inverse trigonometric function	
inverse trigonometric function	
implicit function	
parametric function	
a function with respect to another function	
using logarithm	
using logarithm	
successive differentiation	
successive differentiation	
partial differentiation	
partial differentiation	
problems on above	
problems on above	
chapter revision with some important problems	
definition of integration as inverse of differentiation	
integrals of standard functions	
(i) integration by substitution	
integration by substitution	
integration by substitution	
integration by parts	
integration by parts	
integration by parts	
integration of the forms	
integration of the forms	
definite integral	
properties of definite integral	

(i) area enclosed by a curve and x-axis	
(ii) area of a circle with centre at origin	
some important problems.	
DIFFERENTIAL EQUATION:- definition	
order & degree of a differential equation	
order & degree of a differential equation	
(I) 1st order & 1st degree equation by method of variable separation	
problems on variable separation method	
problems on variable separation method	
linear differential equation of the form $(dy/dx) + Py = Q$, where P, Q are functions of x.	
problems on above	
problems on above	
some important problems.	
some important problems.	

Semester-2nd Summer 2022, Subject-Enginering Math-II, B

Name of Faculty-Mrs.Mamata Nayak & Mrs. Sangh

Date	Topics to be covered as per Lesson Plan	Topics Actually Covered
3/14/2022	1. Vector Algebra :-1.1 Introduction & representation of vector.	All
3/15/2022	1.2 Types of vectors	All
3/16/2022	1.3 magnitude and direction of vectors	All
3/17/2022	1.4 addition and subtraction of vectors	All
3/21/2022	1.5 position vector	All
3/22/2022	1.6 scalar product of two vectors	All
3/23/2022	1.7 geometrical meaning of dot product .1.8 angle between two vectors	All
3/24/2022	1.9 scalar and vector projection of two vectors	All
3/25/2022	1.10 vector product and geometrical meaning	All
3/26/2022	1.11 area of triangle using vector product	All
3/28/2022	1.11 area of parallelogram using vector product	All
3/29/2022	some ipmortant problems on scalar product	All
3/30/2022	important problems on vector product	All
3/31/2022	2. Limit and continuity:- 2.1 definition of function,based on set theory	All
4/2/2022	2.2 types of functions	All
4/4/2022	2.3 Introduction of limit 2.4 existence of limit	All
4/5/2022	2.4 methods of evaluation of limit	All
4/6/2022	(iii) rationalisation method (iv) using some standard result	All
4/7/2022	(b) trigonometric limit	All
4/8/2022	(c) exponential & logarthmic limit	All
4/9/2022	2.5 left hand limit & right hand limit	All
4/11/2022	2.6 limit continuity of a function at a point	All
4/12/2022	problems on limit continuity	All
4/13/2022	some important problems	All
4/18/2022	some important problems	All
4/19/2022	3 .Derivative:- 3.1 derivative of a function at a point	All
4/20/2022	3.2 algebra of derivative	All
4/21/2022	3.3 derivative of standard functions	All

4/22/2022	3.4 derivative of composite function	All
4/23/2022	3.4 derivative of composite function	All
4/25/2022	3.4 derivative of composite function	All
4/26/2022	3.5 methods of differentiation (i) inverse trigonometric function	All
4/27/2022	(i) inverse trigonometric function	All
5/4/2022	(ii) implicit function	All
5/5/2022	(iii) parametric function	All
5/6/2022	(iv) a function with respect to another function	All
5/7/2022	(v) using logarithm	All
5/9/2022	(v) using logarithm	All
5/10/2022	3.6 application of derivative (i) successive differentiation	All
5/11/2022	(i) successive differentiation	All
5/12/2022	(ii) partial differentiation	All
5/17/2022	(ii) partial differentiation	All
5/18/2022	problems on above	All
5/19/2022	problems on above	All
5/20/2022	chapter revision with some important problems	All
5/21/2022	4. INTEGRATION: - 4.1 definition of integration as inverse of differentiation	All
5/23/2022	4.2 integrals of standard functions	All
5/24/2022	4.3 methods of integration (i) integration by substitution	All
5/25/2022	(i) integration by substitution	All
5/26/2022	(i) integration by substitution	All
5/27/2022	(i) integration by substitution	All
5/28/2022	(ii) integration by parts	All
5/31/2022	(ii) integration by parts	All
6/1/2022	(ii) integration by parts	All
6/2/2022	4.4 integration of the forms	All
6/3/2022	4.4 integration of the forms	All
6/4/2022	4.5 definite integral	All
6/6/2022	properties of definite integral	All

6/7/2022	4.6 application of integration (i) area enclosed by a curve and x-axis	All
6/8/2022	(ii) area of a circle with centre at origin	All
6/9/2022	some important problems.	All
6/10/2022	5. DIFFERENTIAL EQUATION:- 5.1 definition	All
6/11/2022	5.2 order & degree of a differential equation	
6/13/2022	5.2 order & degree of a differential equation	All
6/17/2022	5.2 order & degree of a differential equation	All
6/18/2022	5.3 solution of differential equation	All
6/20/2022	problems on variable separation method	All
6/21/2022	problems on variable separation method	All
6/22/2022	(II) linear differential equation	All
6/23/2022	problems on above	All
6/24/2022	problems on above	All
6/27/2022	some important problems.	All
6/28/2022	some important problems.	All
6/29/2022	REVISION	All
6/30/2022	REVISION	All

Branch- ELECTRICAL(C1)**Amrita Nath**

Points/contents Discussed (in brief)	Signature of Teacher
Introduction & representation of vector.	
Types of vectors	
magnitude and direction of vectors	
addition and subtraction of vectors	
position vector	
scalar product of two vectors	
geometrical meaning of dot product . angle between two vectors	
scalar and vector projection of two vectors	
vector product and geometrical meaning	
area of triangle using vector product	
area of parallelogram using vector product	
some important problems on scalar product	
important problems on vector product	
Limit and continuity:- definition of function,based on set theory	
types of functions	
Introduction of limit .existence of limit	
(a) algebraic limit (i) direct substitution method (ii)factorisation method	
rationalisation method (iv) using some standard result	
trigonometric limit	
exponential & logarithmic limit	
left hand limit & right hand limit	
limit continuity of a function at a point	
problems on limit continuity	
some important problems	
some important problems	
derivative of a function at a point	
algebra of derivative	
derivative of standard functions	

chain rule	
chain rule	
chain rule	
nverse trigonomtric functio	
inverse trigonometric function	
implicit function	
parametric function	
a function with respect to another function	
using logarithm	
using logarithm	
successive differentiation	
successive differentiation	
partial differentiation	
partial differentiation	
problems on above	
problems on above	
chapter revision with some important problems	
definition of integration as inverse of differentiation	
integrals of standard functions	
(i) integration by substitution	
integration by substitution	
integration by substitution	
ntegration by substitution	
)integration by parts	
integration by parts	
integration by parts	
integration of the forms	
integration of the forms	
definite integral	
properties of definite integral	

(i) area enclosed by a curve and x-axis	
(ii) area of a circle with centre at origin	
some important problems.	
DIFFERENTIAL EQUATION:- definition	
order & degree of a differential equation	
order & degree of a differential equation	
order & degree of a differential equation	
(I) 1st order & 1st degree equation by method of variable separation	
problems on variable separation method	
problems on variable separation method	
linear differential equation of the form $(dy/dx) + Py = Q$, where P, Q are functions of x.	
problems on above	
problems on above	
some important problems.	
some important problems.	
REVISION	
REVISION	

Semester-2nd Summer 2022, Subject-Engineering Math-II, Branch- ELECTRICAL(C			
Name of Faculty-Mrs.Mamata Nayak & Mrs. Sanghamitra Nath			
Date	Topics to be covered as per Lesson Plan	Topics Actually Covered	Points/contents Discussed (in
3/14/2022	1. Vector Algebra :-1.1 Introduction &	All	Introduction & representation of v
3/15/2022	1.2 Types of vectors	All	Types of vectors
3/16/2022	1.3 magnitude and direction of vectors	All	magnitude and direction of vec
3/16/2022	1.4 addition and subtraction of vectors	All	addition and subtraction of vec
3/17/2022	1.5 position vector	All	position vector
3/17/2022	1.6 scalar product of two vectors	All	scalar product of two vector
3/21/2022	1.7 geometrical meaning of dot product 1.8 angle between two vectors	All	geometrical meaning of dot product . ar two vectors
3/22/2022	1.9 scalar and vector projection of two vectors	All	scalar and vector projection of two
3/23/2022	1.10 vector product and geometrical meaning	All	vector product and geometrical meaning
3/23/2022	1.11 area of triangle using vector product	All	area of triangle using vector pro
3/24/2022	1.11 area of parallelogram using vector product	All	area of parallelogram using vector
3/24/2022	some ipmortant problems on scalar prod	All	some ipmortant problems on scalar
3/28/2022	important problems on vector product	All	important problems on vector pr
3/29/2022	2. Limit and continuity:- 2.1 definition of function,based on set theory	All	Limit and continuity:- definition of funct set theory
3/30/2022	2.2 types of functions	All	types of functions
3/30/2022	2.3 Introduction of limit 2.4 existence of limit	All	Introduction of limit .existence o
3/31/2022	2.4 methods of evaluation of limit	All	(a) algebraic limit (i) direct substitutio (ii)factorisation method
3/31/2022	(iii) rationalisation method (iv) using some standard result	All	rationalisation method (iv) using som result
4/4/2022	(b) trigonometric limit	All	trigonometric limit
4/5/2022	(c) exponential & logarthmic limit	All	exponential & logarthmic lim
4/6/2022	2.5 left hand limit & right hand limit	All	left hand limit & right hand lin
4/6/2022	2.6 limit continuity of a function at a point	All	limit continuity of a function at a
4/7/2022	problems on limit continuity	All	problems on limit continuity
4/7/2022	some important problems	All	some important problems
4/11/2022	some important problems	All	some important problems
4/12/2022	3 .Derivative:- 3.1 derivative of a	All	derivative of a function at a po

4/13/2022	3.2 algebra of derivative	All	algebra of derivative
4/13/2022	3.3 derivative of standard functions	All	derivative of standard function
4/18/2022	3.4 derivative of composite function	All	chain rule
4/19/2022	3.4 derivative of composite function	All	chain rule
4/20/2022	3.4 derivative of composite function	All	chain rule
4/20/2022	3.5 methods of differentiation (i) inverse trigonometric function	All	inverse trigonometric function
4/25/2022	(i) inverse trigonometric function	All	inverse trigonometric function
4/26/2022	(ii) implicit function	All	implicit function
4/27/2022	(iii) parametric function	All	parametric function
4/27/2022	(iv) a function with respect to another function	All	a function with respect to another function
5/4/2022	(v) using logarithm	All	using logarithm
5/4/2022	(v) using logarithm	All	using logarithm
5/5/2022	3.6 application of derivative (i) successive differentiation	All	successive differentiation
5/5/2022	(i) successive differentiation	All	successive differentiation
5/9/2022	(ii) partial differentiation	All	partial differentiation
5/10/2022	(ii) partial differentiation	All	partial differentiation
5/11/2022	problems on above	All	problems on above
5/11/2022	problems on above	All	problems on above
5/17/2022	chapter revision with some important problems	All	chapter revision with some important problems
5/18/2022	4. INTEGRATION: - 4.1 definition of integration	All	definition of integration as inverse of differentiation
5/18/2022	4.2 integrals of standard functions	All	integrals of standard functions
5/19/2022	4.3 methods of integration (i) integration	All	(i) integration by substitution
5/19/2022	(i) integration by substitution	All	(i) integration by substitution
5/23/2022	(i) integration by substitution	All	integration by substitution
5/24/2022	(i) integration by substitution	All	integration by substitution
5/25/2022	(ii) integration by parts	All	integration by parts
5/25/2022	(ii) integration by parts	All	integration by parts
5/26/2022	(ii) integration by parts	All	integration by parts
5/26/2022	4.4 integration of the forms	All	integration of the forms

5/31/2022	4.4 integration of the forms	All	integration of the forms
6/1/2022	4.5 definite integral	All	definite integral
6/1/2022	properties of definite integral	All	properties of definite integrals
6/2/2022	4.6 application of integration (i) area enclosed by a curve and the x-axis	All	(i) area enclosed by a curve and the x-axis
6/2/2022	(ii) area of a circle with centre at origin	All	(ii) area of a circle with centre at origin
6/6/2022	some important problems.	All	some important problems.
6/7/2022	5. DIFFERENTIAL EQUATION:- 5.1 definition of a differential equation	All	DIFFERENTIAL EQUATION:- definition of a differential equation
6/8/2022	5.2 order & degree of a differential equation	All	order & degree of a differential equation
6/8/2022	5.2 order & degree of a differential equation	All	order & degree of a differential equation
6/9/2022	5.2 order & degree of a differential equation	All	order & degree of a differential equation
6/9/2022	5.3 solution of differential equation	All	(I) 1st order & 1st degree equation by the method of variable separation
6/13/2022	problems on variable separation method	All	problems on variable separation method
6/20/2022	problems on variable separation method	All	problems on variable separation method
6/21/2022	(II) linear differential equation	All	linear differential equation of the form $\frac{dy}{dx} + P(x)y = Q(x)$, where P, Q are functions of x
6/22/2022	problems on above	All	problems on above
6/22/2022	problems on above	All	problems on above
6/23/2022	some important problems.	All	some important problems.
6/23/2022	some important problems.	All	some important problems.
6/27/2022	REVISION	All	REVISION
6/28/2022	REVISION	All	REVISION
6/29/2022	REVISION	All	REVISION
6/29/2022	REVISION	All	REVISION
6/30/2022	REVISION	All	REVISION
6/30/2022	REVISION	All	REVISION

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Semester-2nd Summer 2022, Subject-Engineering Math-II, Branch- ETC			
Name of Faculty-Mrs.Sanghamitra Nath & Ms.Sashmita Sahoo			
Date	Topics to be covered as per Lesson Plan	Topics Actually Covered	Points/contents Discussed (in class)
3/14/2022	1. Vector Algebra :-1.1 Introduction & definition of vectors	All	Introduction & representation of vectors
3/15/2022	1.2 Types of vectors	All	Types of vectors
3/16/2022	1.3 magnitude and direction of vectors	All	magnitude and direction of vectors
3/17/2022	1.4 addition and subtraction of vectors	All	addition and subtraction of vectors
3/21/2022	1.5 position vector	All	position vector
3/22/2022	1.6 scalar product of two vectors	All	scalar product of two vectors
3/23/2022	1.7 geometrical meaning of dot product 1.8 angle between two vectors	All	geometrical meaning of dot product . angle between two vectors
3/24/2022	1.9 scalar and vector projection of two vectors	All	scalar and vector projection of two vectors
3/25/2022	1.10 vector product and geometrical meaning	All	vector product and geometrical meaning
3/26/2022	1.11 area of triangle using vector product	All	area of triangle using vector product
3/28/2022	1.11 area of parallelogram using vector product	All	area of parallelogram using vector product
3/29/2022	some important problems on scalar product	All	some important problems on scalar product
3/30/2022	important problems on vector product	All	important problems on vector product
3/31/2022	2. Limit and continuity:- 2.1 definition of function,based on set theory	All	Limit and continuity:- definition of function set theory
4/2/2022	2.2 types of functions	All	types of functions
4/4/2022	2.3 Introduction of limit 2.4 existence of limit	All	Introduction of limit .existence of limit
4/5/2022	2.4 methods of evaluation of limit	All	(a) algebraic limit (i) direct substitution (ii)factorisation method
4/6/2022	(iii) rationalisation method (iv) using some standard result	All	rationalisation method (iv) using some standard result
4/7/2022	(b) trigonometric limit	All	trigonometric limit
4/8/2022	(c) exponential & logarithmic limit	All	exponential & logarithmic limit
4/9/2022	2.5 left hand limit & right hand limit	All	left hand limit & right hand limit
4/11/2022	2.6 limit continuity of a function at a point	All	limit continuity of a function at a point
4/12/2022	problems on limit continuity	All	problems on limit continuity
4/13/2022	some important problems	All	some important problems
4/16/2022	some important problems	All	some important problems
4/18/2022	some important problems	All	some important problems

4/19/2022	3 .Derivative:- 3.1 derivative of a	All	derivative of a function at a po
4/20/2022	3.2 algebra of derivative	All	algebra of derivative
4/21/2022	3.3 derivative of standard functions	All	derivative of standard functio
4/22/2022	3.4 derivative of composite function	All	chain rule
4/23/2022	3.4 derivative of composite function	All	chain rule
4/26/2022	3.5 methods of differentiation (i) inverse trigonometric function	All	nverse trigonometric functio
4/27/2022	(i)inverse trigonometric function	All	inverse trigonometric func
5/4/2022	(ii)implicit function	All	implicit function
5/5/2022	(iii) parametric function	All	parametric function
5/6/2022	(iv) a function with respect to another function	All	a function with respect to another f
5/7/2022	(v) using logarithm	All	using logarithm
5/9/2022	(v) using logarithm	All	using logarithm
5/10/2022	3.6 application of derivative (i) successive differentiation	All	successive differentiation
5/11/2022	(i)successive differentiation	All	successive differentiation
5/12/2022	(ii) partial differentiation	All	partial differentiation
5/13/2022	(ii) partial differentiation	All	partial differentiation
5/14/2022	(ii) partial differentiation	All	partial differentiation
5/17/2022	(ii) partial differentiation	All	partial differentiation
5/18/2022	problems on above	All	problems on above
5/19/2022	problems on above	All	problems on above
5/20/2022	chapter revision with some important problems	All	chapter revision with some important
5/21/2022	4. INTEGRATION: - 4.1 definition of integ	All	definition of integration as inverse of dif
5/23/2022	4.2 integrals of standard functions	All	integrals of standard function
5/24/2022	4.3 methods of integration (i) integration	All	(i) integration by substitution
5/25/2022	(i)integration by substitution	All	integration by substitution
5/26/2022	(i)integration by substitution	All	integration by substitution
5/27/2022	(i)integration by substitution	All	integration by substitution
5/28/2022	(ii)integration by parts	All	integration by parts
5/31/2022	(ii)integration by parts	All	integration by parts

6/1/2022	(ii)integration by parts	All	integration by parts
6/2/2022	4.4 integration of the forms	All	integration of the forms
6/3/2022	4.4 integration of the forms	All	integration of the forms
6/4/2022	4.5 definite integral	All	definite integral
6/6/2022	properties of definite integral	All	properties of definite integrals
6/7/2022	4.6 application of integration (i) area enclosed by a curve and a line	All	(i) area enclosed by a curve and a line
6/8/2022	(ii)area of a circle with centre at origin	All	(ii)area of a circle with centre at origin
6/9/2022	some important problems.	All	some important problems.
6/10/2022	5. DIFFERENTIAL EQUATION:- 5.1 definition of a differential equation	All	DIFFERENTIAL EQUATION:- definition of a differential equation
6/11/2022	5.2 order & degree of a differential equation	All	order & degree of a differential equation
6/17/2022	5.2 order & degree of a differential equation	All	order & degree of a differential equation
6/21/2022	5.3 solution of differential equation	All	(I) 1st order & 1st degree equation by variable separation
6/20/2022	problems on variable separation method	All	problems on variable separation method
6/22/2022	problems on variable separation method	All	problems on variable separation method
6/23/2022	(II)linear differential equation	All	linear differential equation of the form $\frac{dy}{dx} + P(x)y = Q(x)$, where P,Q are functions of x
6/23/2022	problems on above	All	problems on above
6/28/2022	problems on above	All	problems on above
6/29/2022	some important problems.	All	some important problems.
6/29/2022	some important problems.	All	some important problems.
6/30/2022	REVISION	All	REVISION

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