	(K) EMA	CANALUM
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Printing	НОВ	Sign of Faculty
(2) Shure 11/24		
Methods of differentiation	5th	
Derivative of composite function (Chain Rule )	4th	
Derivative of standard functions	3rd	5th
Algebra of derivative	2nd	
Derivative of a function at a point	1st	
problems based on continuity	5th	
Definition of continuity of a function at a point	4th	
Methods of evaluation of limit	3rd	4th
Existence of limit	2nd	
Introduction of limit	1st	
vi) Exponential function vii) Logarithmic function	5th	
iv)The Greatest integer function v) Trigonometric function	4th	
i)Constant function ii) Identity function iii) Absolute value function	3rd	370
Types of functions	2nd	
Definition of function, based on set theory	1st	
Vector product and geometrical meaning (Area of triangle and parallelogram)	5th	
Scalar and vector projection of two vectors	4th	
Angle between two vectors	3rd	2nd
Scalar product of two vectors and Geometrical meaning of dot product	2nd	
Position vector	1st	
Addition and subtraction of vectors	5th	
Representation of vector and Magnitude and direction of vectors	4th	
Types of vectors in component form	3rd	1st
Types of vectors (null vector, parallel vector, collinear vectors)	2nd	
Introduction to vector space	1st	
Theory/Practical Topics	Class Day	Week
Semester from Date: 29.01.2024 to Date: 14.05.2024No of Weeks:	No of Days/per week class allotted: 5	Subject: mathenatics -II
Name of the Teaching Faculty: Miss.Sradhanjali Mishra	Semester: 2nd	Descipline:
		The Lesson Plan
SYNERGY POLYTECHNIC, BBSR		

## SYNERGY POLYTECHNIC, BBSR

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Definite integral	5th	
exercise question of integration	4th	1
exercise question of integration .	3rd	5th
pratice question for substition and by parts method	2nd	
pratice question for substition and by parts method	1st	
various formula of intergration	5th	
Integration of the various forms	4th	
Integration of the various forms	3rd	4th
Integration by parts	2nd	8
Integration by parts	1st	
Integration by substitution	5th	
Integration by substitution	4th	
Methods of integration	3rd	3rd
Integrals of standard functions	2nd	•
Definition of integration as inverse of differentiation	1st	
Problems based on differentiation	5th	
Problems based on differentiation	4th	
Problems based on differentiation	3rd	,
Partial Differentiation (function of two variables up to second order)	2nd	2nd
Successive Differentiation (up to second order)	,	,
C. D. C.	1c+	
Applications of Derivative	5th	
a function with respect to another function	4th	
Logarithmic function	3rd .	
Implicit function	2nd	15
Parametric function	1st	
Theory/Practical Topics	Class Day	Week
الله Date: ١٩٠٥5، No of Weeks:	No of Days/per week class allotted:	Nacha ~ 11
Name of the Teaching Faculty: 2 mg dl and all it is the	Semester: )	Descipline:
	The Lesson Plan	
ייינייער היסרו ורכוואוכ, ססטס		

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## SYNERGY POLYTECHNIC, BBSR

The Lesson Plan

Descipline:	Semester: })	Name of the Teaching Faculty: & readhardali Wikhers
Subject:	No of Days/per week class allotted:	Semester from Date: みり ひしゃものみ to Date: リリッシス・スパンソ No of Weeks:
Week	Class Day	Theory/Practical Topics
	1st	Definite integral
91	2nd	problems of definite integral
1st	3rd	exersice question of definite integral
	4th	, properties of definite integrals
ř	5th	properties of definite integrals
	1st	Application of integration
:	2nd	real life example of application integrals
2nd	3rd	Area enclosed by a curve and X – axis
	4th	problems related to area enclosed by curve and x axis
	5th	Area of a circle with centre at origin
	1st	problems related to Area of a circle with centre at origin
	2nd	introduction to differential equation
3rd	3rd	question regarding differential equation
	4th	order and degree
	5th	question regarding differential equation
	1st	question regarding order and degree
	2nd	Solution of differential equation
4th	3rd	problems related to find the solution of DE by various method
××	4th	variable separab;le method
	5th	1st order and 1st degree equation by the method of separation of variables
3	1st .	introduction to linear differential equation
a the	2nd	linear differential equation
5th	3rd	problems on linear differential equation
	4th	exersice question
÷170	5th	exersice question



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