

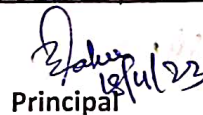
**SYNERGY POLYTECHNIC, BBSR**

**The Lesson Plan**

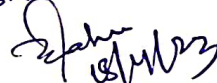
Discipline:	Semester: 2 <sup>nd</sup>	Name of the Teaching Faculty: Srachanjali Mishra
Subject:	No of Days/per week class allotted:	Semester from Date: to Date: No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	Introduction of Derivatives
	2nd	Algebra of derivatives.
	3rd	Fundamental formula of derivative
	4th	Chain rule
	5th	Parametric function.
2nd	1st	Various method of Differentiation
	2nd	Differentiation of a fun <sup>n</sup> with other
	3rd	Application of derivative.
	4th	Successive Differentiation
	5th	Partial Differentiation.
3rd	1st	Problems based on derivative
	2nd	Introduction to Integration.
	3rd	Integrals of standard fun <sup>n</sup> .
	4th	Substitution & by parts method
	5th	Integration of various form
4th	1st	problems based on integration
	2nd	Definite Integrals.
	3rd	Properties of Definite Integral
	4th	Application of Integration
	5th	Problems based on integration
5th	1st	Introduction to Diff. Equ <sup>n</sup> .
	2nd	Order & degree of Diff Equ <sup>n</sup>
	3rd	Variable Separable Method
	4th	Linear equation
	5th	Problems based on Diff Equ <sup>n</sup> .

Srachanjali Mishra  
Sign of Faculty

  
HOD

  
Principal

R.K. Panda  
Pl. upload in our website




**SYNERGY POLYTECHNIC, BBSR**

**The Lesson Plan**

Discipline:	Semester: 2 <sup>nd</sup>	Name of the Teaching Faculty: Sradhanjali Mishra
Subject: MATHEMATICS	No of Days/per Week class allotted:	Semester from Date: to Date: No of Weeks:
Week	Class Day	Theory/Practical Topics
1st	1st	Introduction to vectors
	2nd	Types of Vectors.
	3rd	Representation of Vectors
	4th	Magnitude & direction.
	5th	Add & Subtraction of Vectors
2nd	1st	Position vectors.
	2nd	Scalar product of two vectors
	3rd	Geometrical meaning & Angle.
	4th	Scalar & Vector projection
	5th	Vector products.
3rd	1st	function, Types of fun <sup>n</sup> .
	2nd	Constant function
	3rd	Identity function
	4th	Absolute Value function
	5th	The Greatest Integer fun <sup>n</sup> .
4th	1st	Trigonometric & Exponential fun <sup>n</sup>
	2nd	Logarithm fun <sup>n</sup> .
	3rd	Introduction of limit
	4th	Existence of limit
	5th	Evaluation of limit.
5th	1st	Various formulae of limits
	2nd	Definition of Continuity.
	3rd	problems based on continuity
	4th	problems based on limits.
	5th	Problems based on Continuity & limits

Sradhanjali Mishra  
Signature of Faculty

  
HOD

Principal