LESSON PLAN

Discipline: **Civil & Mechanical**		Semester: **2nd semester**	Name of the Teaching Faculty: **Sadashiba Mohanta**
Subject: **Engineering Mathematics-II** Sub code: **Th-3**		No of days /week class allotted:**03/week**	Semester from Date:**20/03/2023 to 27/06/2023** No of weeks:**16**
Month	**Week**	**No of periods available**	**Class Day**	**Theory topics to be covered**
March	1st	01P	20.03.2023	Introduction to Derivatives Derivative of a function at a point
		01P	21.03.2023	Algebra of Derivatives
		01P	23.03.2023	Derivative of standard functions
	2nd	01P	27.03.2023	Derivatives using Chain Rule
		01P	28.03.2023	Derivative of a function by substitutions.
April	3rd	01P	03.04.2023	Derivative of a function by substitutions.
		01P	04.04.2023	Derivative of Implicit functions
		01P	06.04.2023	Derivative of logarithm functions
	4th	01P	10.04.2023	Derivative of logarithm functions
		01P	11.04.2023	Derivative of Parametric function
		01P	13.04.2023	Derivative of a function w.r.t. another function
	5th	01P	17.04.2023	**Monthly Test-01 and Discussion**
		01P	18.04.2023	Successive Differentiation
		01P	20.04.2023	Successive Differentiation
	6th	01P	24.04.2023	Partial Differentiation
		01P	25.04.2023	Introduction to Integration
		01P	27.04.2023	Integral of standard functions
May	7th	01P	01.05.2023	Integral by substitutions
		01P	02.05.2023	Integral by substitutions
		01P	04.05.2023	Integration by parts
	8th	01P	08.05.2023	Integration by parts
		01P	09.05.2023	**Monthly Test-02 and Discussion**
		01P	11.05.2023	Integration of Standard forms
	9th	01P	15.05.2023	Integration of Standard forms
		01P	16.05.2023	Introduction to Definite Integrals
		01P	18.05.2023	Properties

	10th	01P	22.05.2023	**Revision and Doubt Clearing Classes & Internal Assessment**
		01P	23.05.2023	Properties
		01P	25.05.2023	Area Under the Curve
	11th	01P	29.05.2023	Area of a circle with centre at origin
		01P	30.05.2023	Introduction to Differential Equations Order and Degree of a D.E.
June	12th	01P	01.06.2023	Formation of a Differential Equation
	13th	01P	05.06.2023	Formation of a Differential Equation
		01P	06.06.2023	**Monthly Test-03 and Discussion**
		01P	08.06.2023	Solution of a Differential Equation
	14th	01P	12.06.2023	Solution of a Differential Equation
		01P	13.06.2023	Method of separation of variables
	15th	01P	19.06.2023	Method of separation of variables
		01P	20.06.2023	Linear Differential equation.
		01P	22.06.2023	Linear Differential equation.
	16th	01P	26.06.2023	Differential Equation reducible to Linear Form
		01P	27.06.2023	**Revision &Previous year question & Answer discussion.**
		. VERY SIMILAR TEST/MOCK TEST		

20/3/23

LESSON PLAN

Discipline: **Metallurgy**			Semester: **2nd semester**	Name of the Teaching Faculty : **Sadashiba Mohanta**
Subject: **Engineering Mathematics-II** Sub code: **Th-3**			No of days /week class allotted:**03/week**	Semester from Date:**20/03/2023 to 27/06/2023** No of weeks:**16**
Month	**Week**	**No of periods available**	**Class Day**	**Theory topics to be covered**
March	1st	01P	20.03.2023	Introduction to Derivatives Derivative of a function at a point
		01P	23.03.2023	Algebra of Derivatives
		01P	24.03.2023	Derivative of standard functions
	2nd	1P	27.03.2023	Derivatives using Chain Rule
		1P	31.03.2023	Derivative of a function by substitutions
April	3rd	01P	03.04.2023	Derivative of Implicit functions
		01P	06.04.2023	Derivative of logarithm functions
	4th	01P	10.04.2023	Derivative of logarithm functions
		01P	13.04.2023	Derivative of Parametric function
	5th	01P	17.04.2023	Derivative of a function w.r.t. another function
		01P	20.04.2023	Successive Differentiation
		01P	21.04.2023	Successive Differentiation
	6th	01P	24.04.2023	Partial Differentiation
		01P	27.04.2023	Introduction to Integration
		01P	28.04.2023	Integral of standard functions
May	7th	01P	01.05.2023	Integral by substitutions
		01P	04.05.2023	Integral by substitutions
	8th	01P	08.05.2023	Integration by parts
		01P	11.05.2023	Integration by parts
		01P	12.05.2023	Integration of Standard forms
	9th	01P	15.05.2023	Integration of Standard forms
		01P	18.05.2023	Introduction to Definite Integrals
	10th	01P	22.05.2023	Properties
		01P	25.05.2023	**Revision and Doubt Clearing Classes & Internal Assessment**
		01P	26.05.2023	Area Under the Curve
	11th	01P	29.05.2023	Area of a circle with centre at origin

June	12th	01P	01.06.2023	Introduction to Differential Equations Order and Degree of a D.E.
		01P	02.06.2023	Order and Degree of a D.E.
	13th	01P	05.06.2023	Formation of a Differential Equation
		01P	08.06.2023	Solution of a Differential Equation
		01P	09.06.2023	Method of separation of variables
	14th	01P	12.06.2023	**Monthly Test-03 and Discussion**
		01P	16.06.2023	Method of separation of variables
	15th	01P	19.06.2023	Linear Differential Equations
		01P	22.06.2023	Linear Differential Equations
		01P	23.06.2023	Differential Equation reducible to Linear Form
	16th	01P	26.06.2023	**Revision &Previous year question & Answer discussion.**
		. VERY SIMILAR TEST/MOCK TEST		

20/3/23