

LESSON PLAN				
Discipline: Civil & Mechanical		Semester: 1st Semester		Name of the Teaching Faculty: Deepak Kumar Sahoo
Subject: Engineering Mathematics-I Sub code: Th-3		No of days /week class allotted: 02/week		Semester from Date: 16/08/2023 to 11/12/2023 No of weeks: 18
Month	Week	No of periods available	Class Day	Theory topics to be covered
August	1 st	01P	16.08.2023	Introduction to Matrices. Types of Matrices.
		01P	18.08.2023	Algebra of Matrices
	2 nd	01P	23.08.2023	Problems related to Algebra of Matrices.
		01P	25.08.2023	Introduction to Determinant
September	2 nd	01P	01.09.202	Minor and Cofactor
	3 rd	01P	08.09.2023	Properties of Determinant
	4 th 5 th	01P	13.09.2023	Properties of Determinant
		01P	15.09.2023	Problems related to properties of Determinant.
	6 th	01P	22.09.2023	Introduction to Trigonometry
	7 th	01P	27.09.2023	Trigonometric Ratios
October	8 th	01P	04.10.2023	Trigonometric Functions
		01P	06.10.2023	Compound Angles and related problems
	9 th	01P	11.10.2023	Multiple Angles and related problems
		01P	13.10.2023	Sub multiple Angles and related problems
	10 th	01P	18.10.2023	Internal Assessment
		01P	20.10.2023	Internal Assessment
	11 th	01P	25.10.2023	Periodicity of trigonometric functions
		01P	27.10.2023	Sum and Product of Trigonometric Functions

November	12 th	01P	01.11.2023	Inverse Trigonometry
		01P	03.11.2023	Properties
	13 th	01P	08.11.2023	Problems related to Inverse Trigonometry
		01P	10.11.2023	Cramer's rule
	14 th	01P	15.11.2023	Problems related to Cramer's rule
		01P	17.11.2023	Adjoint of a Matrix
	15 th	01P	22.11.2023	Inverse of a Matrix
		01P	24.11.2023	Problems related to inverse of a Matrix
	16 th	01P	29.11.2023	Solution of simultaneous equations by matrix inversion method.
December	17 th	01P	01.12.2023	Problems related to matrix inversion method
	18 th	01P	06.12.2023	Revision & Previous year question & Answer discussion.
		01P	08.12.2023	Revision & Previous year question & Answer discussion.

LESSON PLAN				
Discipline: Electrical & Drilling		Semester: 1st Semester		Name of the Teaching Faculty: Deepak Kumar Sahoo
Subject: Engineering Mathematics-I Sub code: Th-3		No of days /week class allotted: 02/week	Semester from Date: 16/08/2023 to 11/12/2023 No of weeks: 18	
Month	Week	No of periods available	Class Day	Theory topics to be covered
August	1 st	01P	16.08.2023	Introduction to Matrices. Types of Matrices.
		01P	18.08.2023	Algebra of Matrices
	2 nd	01P	23.08.2023	Problems related to Algebra of Matrices.
		01P	25.08.2023	Introduction to Determinant
September	2 nd	01P	01.09.202	Minor and Cofactor
	3 rd	01P	08.09.2023	Properties of Determinant
	4 th 5 th	01P	13.09.2023	Properties of Determinant
		01P	15.09.2023	Problems related to properties of Determinant.
	6 th	01P	22.09.2023	Introduction to Trigonometry
	7 th	01P	27.09.2023	Trigonometric Ratios
October	8 th	01P	04.10.2023	Trigonometric Functions
		01P	06.10.2023	Compound Angles and related problems
	9 th	01P	11.10.2023	Multiple Angles and related problems
		01P	13.10.2023	Sub multiple Angles and related problems
	10 th	01P	18.10.2023	Internal Assessment
		01P	20.10.2023	Internal Assessment
	11 th	01P	25.10.2023	Periodicity of trigonometric functions
		01P	27.10.2023	Sum and Product of Trigonometric Functions
November	12 th	01P	01.11.2023	Inverse Trigonometry
		01P	03.11.2023	Properties
	13 th	01P	08.11.2023	Problems related to Inverse Trigonometry

		01P	10.11.2023	Cramer's rule
	14 th	01P	15.11.2023	Problems related to Cramer's rule
		01P	17.11.2023	Adjoint of a Matrix
	15 th	01P	22.11.2023	Inverse of a Matrix
		01P	24.11.2023	Problems related to inverse of a Matrix
	16 th	01P	29.11.2023	Solution of simultaneous equations by matrix inversion method.
December	17 th	01P	01.12.2023	Problems related to matrix inversion method
	18 th	01P	06.12.2023	Revision & Previous year question & Answer discussion.
		01P	08.12.2023	Revision & Previous year question & Answer discussion.

LESSON PLAN				
Discipline: Mining		Semester: 1st Semester		Name of the Teaching Faculty: Deepak Kumar Sahoo
Subject: Engineering Mathematics-I Sub code: Th-3		No of days /week class allotted: 02/week		Semester from Date: 16/08/2023 to 11/12/2023 No of weeks: 18
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August	1 st	01P	17.08.2023	Introduction to Matrices. Types of Matrices.
		01P	22.08.2023	Algebra of Matrices
	2 nd	01P	24.08.2023	Problems related to Algebra of Matrices.
		01P	29.08.2023	Introduction to Determinant
September	2 nd	01P	05.09.202	Minor and Cofactor
	3 rd	01P	07.09.2023	Properties of Determinant
	4 th 5 th	01P	12.09.2023	Properties of Determinant
		01P	14.09.2023	Problems related to properties of Determinant.
	6 th	01P	21.09.2023	Introduction to Trigonometry
	7 th	01P	26.09.2023	Trigonometric Ratios
October	8 th	01P	05.10.2023	Trigonometric Functions
		01P	10.10.2023	Compound Angles and related problems
	9 th	01P	12.10.2023	Multiple Angles and related problems
		01P	17.10.2023	Sub multiple Angles and related problems
	10 th	01P	19.10.2023	Internal Assessment
	11 th	01P	26.10.2023	Periodicity of trigonometric functions
		01P	31.10.2023	Sum and Product of Trigonometric Functions

November	12 th	01P	02.11.2023	Inverse Trigonometry
		01P	07.11.2023	Properties
	13 th	01P	09.11.2023	Problems related to Inverse Trigonometry
		01P	14.11.2023	Cramer's rule
	14 th	01P	16.11.2023	Problems related to Cramer's rule
		01P	21.11.2023	Adjoint of a Matrix
	15 th	01P	23.11.2023	Inverse of a Matrix
		01P	28.11.2023	Problems related to inverse of a Matrix
	16 th	01P	30.11.2023	Solution of simultaneous equations by matrix inversion method.
December	17 th	01P	05.12.2023	Problems related to matrix inversion method
	18 th	01P	07.12.2023	Revision & Previous year question & Answer discussion.
		01P	12.12.2023	Revision & Previous year question & Answer discussion.

LESSON PLAN				
Discipline: Metallurgy		Semester: 1st Semester		Name of the Teaching Faculty: Deepak Kumar Sahoo
Subject: Engineering Mathematics-I Sub code: Th-3		No of days /week class allotted: 02/week		Semester from Date: 16/08/2023 to 11/12/2023 No of weeks: 18
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		01P	22.08.2023	Algebra of Matrices
	2 nd	01P	24.08.2023	Problems related to Algebra of Matrices.
		01P	29.08.2023	Introduction to Determinant
September	2 nd	01P	05.09.202	Minor and Cofactor
	3 rd	01P	07.09.2023	Properties of Determinant
	4 th 5 th	01P	12.09.2023	Properties of Determinant
		01P	14.09.2023	Problems related to properties of Determinant.
	6 th	01P	21.09.2023	Introduction to Trigonometry
	7 th	01P	26.09.2023	Trigonometric Ratios
October	8 th	01P	05.10.2023	Trigonometric Functions
		01P	10.10.2023	Compound Angles and related problems
	9 th	01P	12.10.2023	Multiple Angles and related problems
		01P	17.10.2023	Sub multiple Angles and related problems
	10 th	01P	19.10.2023	Internal Assessment
	11 th	01P	26.10.2023	Periodicity of trigonometric functions
		01P	31.10.2023	Sum and Product of Trigonometric Functions

November	12 th	01P	02.11.2023	Inverse Trigonometry
		01P	07.11.2023	Properties
	13 th	01P	09.11.2023	Problems related to Inverse Trigonometry
		01P	14.11.2023	Cramer's rule
	14 th	01P	16.11.2023	Problems related to Cramer's rule
		01P	21.11.2023	Adjoint of a Matrix
	15 th	01P	23.11.2023	Inverse of a Matrix
		01P	28.11.2023	Problems related to inverse of a Matrix
	16 th	01P	30.11.2023	Solution of simultaneous equations by matrix inversion method.
December	17 th	01P	05.12.2023	Problems related to matrix inversion method
	18 th	01P	07.12.2023	Revision & Previous year question & Answer discussion.
		01P	12.12.2023	Revision & Previous year question & Answer discussion.