

Name of Faculty: Ms. Priyanka Duhan

Discipline: ME

Semester: 6th

Subject: EMA - 2

Lesson Plan Duration: 22 January 2018- April 2018

WEEK	Theory	
	Lecture Day	Topic(including assignment & test)
1st	1st	Trigonometric Functions: Positive and negative angles
	2nd	Measuring angles in radians and in degrees
	3rd	angles conversion from one measure to another
2nd	1st	trigonometric functions with the help of unit circle
	2nd	identity basic trigonometric identities
	3rd	Signs of trigonometric functions
3rd	1st	Expressing sum and difference of trigonometric angles
	2nd	trigonometric angles and their simple applications
	3rd	Trigonometric Identities & Equations
4th	1st	Identities related to multiple trigonometric angles
	2nd	General solution of trigonometric equations
	3rd	Inverse Trigonometric Functions
5th	1st	Properties of Inverse Trigonometric Functions
	2nd	Properties of Inverse Trigonometric Functions
	3rd	Numerical solution of Differential Equation
6th	1st	Taylor's series method
	2nd	Taylor's series method
	3rd	Taylor's series method
7th	1st	Euler's and Modified Euler's method
	2nd	Euler's and Modified Euler's method
	3rd	Euler's and Modified Euler's method
8th	1st	Runge Kutta Method
	2nd	Runge Kutta Method
	3rd	Runge Kutta Method
9th	1st	Milne's Predictor and Corrector Method
	2nd	Milne's Predictor and Corrector Method
	3rd	Milne's Predictor and Corrector Method

WEEK	Theory	
	Lecture Day	Topic(including assignment & test)
10th	1st	Picard's Method of Successive Approximation
	2nd	Picard's Method of Successive Approximation
	3rd	Picard's Method of Successive Approximation
11th	1st	ABM Method
	2nd	ABM Method
	3rd	ABM Method
12th	1st	Three Dimensional Geometry: Introduction
	2nd	Direction Cosines and Direction Ratios of a line
	3rd	Equation of a line in space
13th	1st	Angle between two lines
	2nd	Angle between two lines
	3rd	shortest distance between two lines
14th	1st	shortest distance between two lines
	2nd	Plane, Co-planarity of Two lines
	3rd	Angle between two planes
15th	1st	Distance of a Point from a Plane
	2nd	Angle between a line and a plane
	3rd	Revision
16th	1st	Revision
	2nd	Revision
	3rd	Revision