BHUBANANANDA ORISSA SCHOOL OF ENGINEERING, CUTTACK

DEPARTMENT OF MATHEMATICS AND SCIENCE

ACADEMIC SESSION-(2020-21- SUMMER)

Lesson Plan

Faculty Name - Gourav Kumar panda

SEMESTER/BRANCH:- 2nd SEM (All Branches) (AUTOMOBILE & AEI)

SUBJECT:- ENGINEERING MATHEMATICS-II (See I)

	30.4.21 01.5.21	1	f) Position vector **Problems based on above**	~~30.4.21~~ Position vector problems based on above. Assignment	30.4.21 01.5.21	—	—	—	SM Gudus
2	3.5.21 4.5.21 5.5.21 6.5.21 7.5.21 8.5.21	5	**Unit 1-vector (15p)** g) Scalar product of two vectors h) Geometrical meaning of dot product i) Angle between two vectors j) Scalar and vector projection of two vectors **Problems based on above**	Scalar Product of two vectors Geometrical meaning of dot pr Angle between two vectors Scalar & vector Projection of two problem based on above. Assignment	3.5.21 4.5.21 6.5.21 7.5.21 8.5.21	— — — — —	— — — — —	— — — — —	Gudus Gudus Gudus SM Gudus
3	10.5.21 11.5.21 12.5.21 13.5.21 15.5.21	5	**Unit 1-vector(15p)** k) Vector product and geometrical meaning l)Application (Area of triangle and parallelogram) **Problems based on above**	Vector Product and geometrical meaning Application problems based on above. Assignment	10.5.21 11.5.21 12.5.21 13.5.21 15.5.21	— — — —	— — — —	— — — —	Gudus Gudus Gudus Gudus Gudus
4	17.5.21 18.5.21 19.5.21 20.5.21	4	**Unit-2-LIMITS AND CONTINUITY (12p)** a) Definition of function based on set theory b) Types of functions: i) Constant function ii) Identity function iii) Absolute value function iv)The Greatest integer function v) Trigonometric function vi) Exponential function .vii) Logarithmic function c) Introduction of limit d) Existence of limit	Definition of function based on set theory Types of functions Identity function greatest integer fun Trigonometric fun Introduction of limit Existence of limit	17.5.21 18.5.21 19.05.21 20.5.21	Nil Nil Nil Nil	— — — —	— — — —	Gudus Gudus Gudus Gudus

	17.6.21 18.6.21 19.6.21	3	iii) Logarithmic function iv) a function with respect to another function **problems based on it**	Logarithmic function a fun^n with another fun^n problem based on it /Assignment	17.6.21 18.6.21 19.6.21				
9	21.6.21 22.6.21 23.6.21 24.6.21 25.6.21 26.6.21	6	**UNIT-3-DERIVATIVES (24p)** f) Applications of Derivative i) Successive Differentiation (up to second order) ii) Partial Differentiation (function of two variables up to second order) **problems based on it**	Application of derivative Successive differentiation Partial differentiation problem based on it Assignment	21.06.21 22.6.21 23.6.21 24.6.21 25.6.21 26.6.21				
10	28.6.21 29.6.21 30.6.21 1.7.21 2.7.21 3.7.21	6	**UNIT-4 INTEGRATION (21p)** a) Definition of integration as inverse of differentiation b) Integrals of standard functions c) Methods of integration i) Integration by substitution ii) Integration by parts **problems based on it**	Defin^n of integration Integral of standard fun^n Method of integration integration by substitution Integration by parts problem based on it Assignment	28.6.21 29.6.21 30.6.21 1.7.21 2.7.21 3.7.21				
11	5.7.21 6.7.21 7.7.21 8.7.21 9.7.21 10.7.21	6	**Unit 4 INTEGRATION(21p)** d) Integration of some standard forms **problems based on it**	Integration of some standard form. problem based on it Assignment	5.7.21 6.7.21 7.7.21 8.7.21 9.7.21 10.7.21				

	14.8.21	1			14.8.21	Nil	—	—	
17	16.8.21 17.8.21 18.8.21 19.8.21	4	Exam related problem practice	Question practice	16.8.21 17.8.21 18.8.21 19.8.21	Nil — — —	— — — —	— — — —	

MY BOOK REFERENCE:ENG. MATH,KP, NCERT,ELEMENTS OF MATHEMATICS
Study Website:
Online Class link:Google Meet

Closed

Completed

Ganesh Kumar Parida