(Affiliated to Andhra University)
An Institution of Priyadarshini Educational Academy)
NAAC ACCREDITED COLLEGE

Dr.V.Rama Rao, M.A.,Ph.D., Secretary & Correspondent Dr.A.Balakrishna,M.Sc.,Ph.D., Principal

Department Of Mathematics Bachelor Of Science

REVISED CBCS W.E.F 2020-2021



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Dr.A.Balakrishna, M.Sc., Ph.D.,

Secretary & C	orrespondent	Principal
COURSE-II	Three diamensional solid geometry and three diamensional solid geometry problem solving session	CO1:To find equation of plane in terms of its intercepts on the axis. CO2:To find combined equation of two planes, Orthogonal projection a plane CO3:Find the angle between planes, Bisector planes, Perpendicular distance from a point to a plane, Image of a line on a plane, Intersection of two lines
of differential controls of curves or maked sensity of curves or controls of curves or conductive of controls of curves or conductive or curves or	Course that Composition (Coll To had the linear difference of the solution of the solutions of t	CO4:The condition that a given line may lie in a given plane CO5:Sets of conditions which determine a line CO6:The shortest distance between two lines CO7:Angle between a line and a plane CO8:Definition and equation of the sphere; CO9:Equation of a circle CO10:To find Power of a point; Tangent plane; Plane of contact; Polarplane; Pole of a Plane; Conjugate points; Conjugate planes. CO11:Definitions of a cone; vertex; guiding curve; generators CO12:Equation of the right circular cone with a given vertex; axis and semi-vertical angle CO13:Definition of a cylinder; Equation to
nemethods are	COS To Bud complete perfectled todations using soft as accomply polynomial.	the cylinder whose generators intersect a given conic and are parallel to a given line



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COURSE-III Abstract Algebra and	CO1:To find set is a group or not with some
Abstract Algebra Problem	conditions Configuration State of the Conditions
Solving Sessions	CO2:Binary Operation – Algebraic structure –
value entline	semi group-monoid
COS to know about theorems of	CO3:Write the definitions of Complex,
convergence in his and controlly	subgroup and coset
COLD attributes and Theorems son sequences	CO4:Prove some theorems Index of a
COS Larpment entre rest productive DP-test 2.	subgroups of a finite groups-Lagrange's
Can have a not tost or Rept Test 3.) The	Theorem.
Alemberts' Lest et Ratio Test 4.) Allematini	CO5:Examples of Subgroups, cosets and
420 Tidevis i - asmeč i	union and intersection of Subgroups
CObiknow some theorems Gaudier's	CO5: criterion for a subgroup to be a
general principle of convergence, Absolute	normal subgroup – intersection of two normal
couvergence and condition at convenience.	subgroups
nomi convergence	CO6:criteria for the existence of a quotient
COT To use the definition of continues	group
COS To know the different types of Contribute	CO7:Definition of homomorphism
COV To least some examples and theorems	,Isomorphism, aultomorphism , kernel of
CO 6 To learn definition of differentiation	a homomorphism
ly using conhagila definition	CO8:Fundamental theorem on Homomorphism
CO 1:To do some prodems by usual	and applications
diff availation function	CO9:Theorems of permutation
COLL To know the Mean value Theorems	multiplication - Inverse of a
CO13 To Janew Properties of integrals	permutation - cyclic permutations and
Mancions	Cayley's theorem.
(x)(1.1/indamental facerum of integral	CO10:Definition Ring and their properties
coloules, enegral asthe bust of a sum	CO11:Definitions of Integral Domains, Fields
	CO12:Theorems on Integral Domains and
	Fields
	CO13:Definition of Characteristic of a Ring
	CO14: Theorems on Characteristic of a Ring





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Secretary & Correspondent	Principal
COURSE IV Real Analysis & Real	CO1:To understand about all numbers
Analysis Problem Solving	defintions.
Sessions	CO2:To learn about real numbers in absolute
bionom-group innes	value, real line
(CO) Write the defeating of Comple	CO3:To know about theorems of
subgroup and coset	convergence, limits and continuity
CO4 Frove some theorems lades of a se	CO4:Definition and Theorems on sequences
subgroups of a finite ground - Lagrange's -	CO5:To practice the test problems 1)P-test 2.)
I homents	Cauchey's n th root test or Root Test. 3.) D'-
COS.Fximples of Subapilies, coset, and	Alemberts' Test or Ratio Test.4.) Alternating
sque rada? lo nortes ze nni bas neusu (Series – Leibnitz Test
COSt craterion for a subgroup to be a	CO6:Know some theorems Cauchey's
harmon own road diseasement quorigins harmon	general principle of convergence, Absolute
scheroups	convergence and conditional convergence,
bittony is to a select that exhibits of a quotic	semi convergence
deord	CO7:To use the definition of continuity
CO7Definition of herromorphism	CO8:To know the different types of Continuity
to larged, a subpromotius ansidomost, i	CO9:To learn some examples and theorems
maidquamomoils.	CO10:To learn definition of differentiation
COS Fundamental three en en Houromorpias	by using continuity definition
and applications	CO11:To do some problems by using
CO9.Theorems of generation	differentiation function
inelliplication - invite of a	CO12:To know the Mean value Theorems
permutation - cyclic permittionsend	CO13:To know Properties of integrable
Cayley's theorem.	functions
COID Definition Ring and For properties	CO14:Fundamental theorem of integral
COTT: Definitions of Integral Domestrif elds	calculus, integral asthe limit of a sum
FCO12 Theorems on later at Domesia and	
able 2	
i COD Definition of Characteristics of a Ring	





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COURSE V	Linear Algebra &Linear Algebra Problem solving sessions	CO1:I t is easily to highlight the need for linear algebra for physicists- quantum mechanics is entirely based on it CO2:To learn properties of vector spaces CO3:To write the properties of vector spaces CO4:To do some theorems and problems in Dimension of a Vector space, Dimension of a subspace, Quotient space and Dimension of Quotient space. CO5:To find rank and nullity in the matrix CO6:Using some properties in the linear transformations CO7: Give some examples in the linear transformations CO 8: It used operations in rows and columns in various methods. CO 9: It is used structural reasoning with entries of the matrix and orientation of the shape CO 10: To do some theorems are Bessel's inequality and Parseval's Identity	



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