

HINDU COLLEGE :: GUNTUR

Name of the Lecturer : Dr. S.V.S. GIRIJA , Lecturer in Mathematics

Assignments 2021-22

Name of the Student	Roll No.	Course /Group	Registered No.	Topic of Assignment
Gannarapu Vijay Kumar	610	B.SC MPC	Y203028183	1.state and prove Gauss divergence theorem 2.state and prove Greens theorem
Shaik Abdul Malik Arshad	647	B.SC MPC	Y203052025	1.state and prove Stokes theorem 2.show that $\text{curl}(\text{grad}f)=0$
Mudamanchu konda guravaiah	629	B.SC MPC	Y203028202	1.state and prove Lagranges theorem 2.state and prove cayleys theorem
SHAIK NAGUL SHAREEF	641	B.SC MPC	Y203028214	1.state and prove fundamental theorem of homomorphism 2.show that nth roots of unity form an Abelian group
Chaitanya Ravipati	636	B.SC MPC	Y202918209	1. state and prove first shifting theorem. 2. state and prove initial value theorem
LALADI.SRUTHI	622	B.SC MPC	Y203028195	1.state and prove final value theorem 2.state and prove convolution theorem
Mindala Raghava	627	B.SC MPC	3515	1.state and prove Rolles theorem. 2. state and prove Lagranges mean value theorem.
Katikala Danam	617	B.SC MPC	Y203028190	1.state and prove Cauchys mean value theorem 2.state and prove Fundamental theorem of integral calculus
MALLELA.HANUMANT HU RAO	625	B.SC MPC	Y203028198	1.state and prove Cauchy-Schwartz inequality 2. state and prove Bessels inequality
Duggi Vijay	608	B.SC MPC	Y203028181	1.state and prove Parsevals identity 2.state and prove gramschmidt orthogonalisation process
SHAIK MASTAN VALI	640	B.SC MPC	Y203028213	1.find orthonormal basis for the set of vectors $\{(1,2,3),(2,1,3),(1,1,1)\}$.2.state and prove cayley _hamilton theorem
Shaik Ibrahim Khalil	639	B.SC MPC	3527	1. state and prove basis existance theorem 2. state and prove rank-nullity theorem
P.poojitha	633	B.SC MPC	Y203028206	1.state and prove invarience theorem on subspaces .2.show that any two bases have same dimension

A.Nirmal babu	603	B.SC MPC	Y203028177	1.state and prove basis extension theorem. 2.show that range space of a linear transformation is a subspace of $V(F)$
MALLELA.HANUMANT HU RAO	625	B.SC MPC	Y203028198	1.show that null space of a linear transformation is a subspace of $U(F)$ 2. show that $\dim(\alpha+\beta)=\dim\alpha+\dim\beta-\dim(\alpha \wedge \beta)$
CHIRATHANAGANDLA. RAJA	607	B.SC MPC	Y203028180	1.show that $\dim(V/W)=\dim V-\dim W$ 2.If W is a non empty subset of V then show that W is subspace iff $a\alpha+b\beta \in W$
MADDI JYOTSNA LAKSHMI SAI PRIYA	623	B.SC MPC	Y203028196	1.state and prove Gauss divergence theorem 2.state and prove Greens theorem
Mallampati Bala murali krishna	624	B.SC MPC	Y203028197	1.state and prove Stokes theorem 2.show that $\text{curl}(\text{grad} f)=0$
N.paparao	631	B.SC MPC	Y203028204	1.state and prove Lagranges theorem 2.state and prove cayleys theorem
Bodapati. Lakshmi sairama koteswararao	605	B.SC MPC	Y203028179	1.state and prove fundamental theorem of homomorphism 2.show that n th roots of unity form an Abelian group
Kasibisi venkatakrishna	616	B.SC MPC	Y203028189	1. state and prove first shifting theorem. 2. state and prove initial value theorem
Kambhampati Ashok	614	B.SC MPC	Y203028187	1.state and prove final value theorem 2.state and prove convolution theorem
GOTTIPATI VENU GOPAL	611	B.SC MPC	Y203028184	1.state and prove Rolles theorem. 2. state and prove Lagranges mean value theorem.
Ankolu Abhishek babu	602	B.SC MPC	Y203028176	1.state and prove Cauchys mean value theorem 2.state and prove Fundamental theorem of integral calculus
Manchala bobby	626	B.SC MPC	Y203028199	1.state and prove Cauchy-Schwartz inequality 2. state and prove Bessels inequality
Mindala Raghava	627	B.SC MPC	3515	1.state and prove Parsevals identity 2.state and prove gramschmidt orthogonalisation process
TOGATI Veerababu	644	B.SC MPC	Y203028217	1.find orthonormal basis for the set of vectors $\{(1,2,3),(2,1,3),(1,1,1)\}$.2.state and prove cayley _hamilton theorem
Saloman Arevula	604	B.SC MPC	Y203028178	1. state and prove basis existance theorem 2. state and prove rank-nullity theorem
T.Vamsi Krishna	643	B.SC MPC	Y203028216	1.state and prove invarience theorem on subspaces .2.show that any two bases have same dimension

Mindala Raghava	627	B.SC MPC	3515	1.state and prove basis extension theorem. 2.show that range space of a linear transformation is a subspace of $V(F)$
K.Rama Bhargav	615	B.SC MPC	Y203028188	1.show that null space of a linear transformation is a subspace of $U(F)$ 2. show that $\dim(\alpha+\beta)=\dim\alpha+\dim\beta-\dim(\alpha \wedge \beta)$
MOHAMMAD HASSAIN BAIG	628	B.SC MPC	Y203028201	1.show that $\dim(V/W)=\dim V-\dim W$ 2.If W is a non empty subset of V then show that W is subspace iff $a\alpha+b\beta \in W$
Racharla sriram	634	B.SC MPC	Y203028207	1.show that every field is an integral domain. 2. show that every finite integral domain is a field
Durisala Siva Sai Ganesh	969	B. A EHP	3625	1.show that characterstic of an integral domain is either prime or zero. 2. prove that every boolean ring is commutative.
Durisala Siva Sai Ganesh	969	B.A HEP	3625	show that union of two ideals is also an ideal iff one is contained in the other.
Sankurathri vyshnavi	637	B.SC MPC	Y203028210	1.Define a principal ideal ring. Show that every field is a principal ideal ring.
PODATHARAPU MALLIKARJUNA	632	B.SC MPC	Y203028205	If f is a homomorphism from a ring R into a ring S , then show that $\text{Ker } f$ is an ideal of R .
Sankurathri vyshnavi	637	B.SC MPC	Y203028210	Define maximal ideal of a ring. Show that an ideal M of a commutative ring R with unity is maximal iff R/M is a field.
Shaiksulthan	1013	B. A MES	Y201028085	Find the equation of the right circular cone whose vertex at $P(2,-3,5)$, axis PQ which makes equal angles with the axes and which passes through $A(1,-2,3)$.
KUMBA VAMSI KRISHNA	1005	B. A MES	Y201028075	Show that the four points $(-8,5,2)$, $(-5,2,2)$, $(-7,6,6)$, $(-4,3,6)$ are concyclic.
Shaikh Hussain Jani	1011	B. A MES	Y201028083	Find the equation to the sphere through origin and making intercepts a, b, c , on the coordinate axes

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Name of the Lecturer : Y. SREEKANTH , Lecturer in Mathematics

Assignments 2021-22

Name of the Student	Roll No	Course/Group	Registered No.	Topic of Assignment
Jeeri Aravind reddy	255	B.SC MPC	4604	perpendicular to the line joining the points (3,4,-1), (2,-1,5)..
KARUMULA SAI SUMANTH REDDY	256	B.SC MPC	Y213028144	Show that the four points (0,4,3), (-1,-5,-3), (-2,-2,1), (1,1,-1) are coplanar.
Bonam sivaramkotireddy	246	MPC	Y213028135	(3,4,2), (7,0,6).
Bourothu Eswara Rao	247	B.SC MPC	OAM2021013 49572	Find the image of the point (2,-1,3) in the plane $3X-2Y-9Z=0$
Peddi Venkata Krishna	267	MPC	2.02112E+11	$9=0$
Bourothu Eswara Rao	4596	B.SC MPC	Y213028136	Prove that set of integers $\mathbb{Z}$ with respect to $*$ defined as $a*b=a+b+2$, is an Abelian Group
Jeeri Aravind reddy	255	MPC	Y213028143	Show that cube roots of unity w.r.t. multiplication is an abelian group.
Puli Girish kumar	270	MPC	Y213028158	abelian group.
T. Krupa Rani	278	B.SC MPC	Y213028166	Show that the set integers $\{1,5,7,11\}$ form an abelian group with reference to multiplication modulo 12
Jarugumalli vijay	254	B.SC MPC	Y213028142	If H and K are two subgroups of a group G, then prove that HK is also a subgroup of G iff $HK=KH$
Thulluri Trivendra	279	MPC	Happy	or identical.
Hazi ali baig	252	B.SC MPC	Y213028140	If H is a subgroup of a group G then prove that there exists a one to one correspondence between any two right cosets of H in G.
MUDAVATH HANUMA NAIK	264	B.SC MPC	Y213028152	Prove that H is a normal subgroup of a group G iff product of two right cosets of H is again a right coset of H
Kochiri sudheer	257	B.SC MPC	Y213028145	Define kernel of homomorphism. If f is a homomorphism of a group G into a group G, then show that the kernel of f is a normal subgroup of G.
MADUGULA RAHUL BABU	260	B.SC MPC	Y213028148	1.state and prove Lagranges theorem 2.state and prove cayleys theorem