

HINDU COLLEGE :: GUNTUR

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

Assignments 2018-19

S. No.	Student Name	Group	Roll No.	Hallticket No.	Topic of Assignment
1	ANUMULA AYYAPPAREDDY	MPC	9	Y163028112	1.state and prove Stokes theorem 2.show that $\text{curl}(\text{grad}f)=0$
2	ARDHALA ANILKUMAR	MPC	2	Y163028113	1.state and prove Lagranges theorem 2.state and prove cayleys theorem
3	BADE ANKAMMARAO	MPC	18	Y163028114	1.state and prove fundamental theorem of homomorphism 2.show that nth roots of unity form an Abelian group
4	BANALA RAVALI	MPC	4	Y163028116	1. state and prove first shifting theorem. 2. state and prove initial value theorem
5	BATHULA RAMESHBABU	MPC	15	Y163028117	1.state and prove final value theorem 2.state and prove convolution theorem
6	BATTU DEVENDRAKUMAR	MPC	23	Y163028118	1.state and prove Rolles theorem. 2. state and prove Lagranges mean value theorem.
7	BILLA MOUNI	MPC	36	Y163028119	1.state and prove Cauchys mean value theorem 2.state and prove Fundamental theorem of integral calculus
8	BONTHU VEERAREDDY	MPC	16	Y163028120	1.state and prove Cauchy-Schwartz inequality 2. state and prove Bessels inequality
9	BULLA SATISH	MPC	38	Y163028121	1.state and prove Parsevals identity 2.state and prove gramschmidt orthogonalisation process
10	CHANDU PAVANKUMAR	MPC	17	Y163028122	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
11	CHEEDA VENKATA PRATHAP	MPC	12	Y163028123	1. state and prove basis existance theorem 2. state and prove rank-nullity theorem
12	CHERUKURI SAIKRISHNA	MPC	37	Y163028124	1.state and prove invarience theorem on subspaces .2.show that any two bases have same dimension
13	CHIMAKURTHI PRADEEPKUMAR	MPC	11	Y163028125	1.state and prove basis extension theorem. 2.show that range space of a linear transformation is a subspace of $V(F)$
14	CHINNAPUREDDYVENKATANARENDRAREDDY	MPC	3	Y163028126	1.show that null space of a linear transformation is a subspace of $U(F)$ 2. show that $\dim(\alpha+\beta)=\dim\alpha+\dim\beta-\dim(\alpha \wedge \beta)$

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15	DEVARAKONDA ELISHARANI	MPC	28	Y163028127	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 $a\alpha + b\beta \in W$
16	DUDI KI SANDHYA MADHAVI	MPC	24	Y163028128	1.state and prove Gauss divergence theorem 2.state and prove Greens theorem
17	DUPPALA VENKATARAJESH	MPC	41	Y163028129	1.state and prove Stokes theorem 2.show that $\text{curl}(\text{grad} f) = 0$
18	GORIKAPUDI SANDEEP	MPC		Y163028130	1.state and prove Lagranges theorem 2.state and prove cayleys theorem
19	JETTI VENKATESH	MPC		Y163028131	1.state and prove fundamental theorem of homomorphism 2.show that n th roots of unity form an Abelian group
20	KANDA VEERANJANEYULU	MPC		Y163028132	1. state and prove first shifting theorem. 2. state and prove initial value theorem
21	KUKKAMALLA PRADEEPCHAND	MPC	1	Y163028133	1.state and prove final value theorem 2.state and prove convolution theorem
22	MAGULURI SATYANARAYANA	MPC	46	Y163028134	1.state and prove Rolles theorem. 2. state and prove Lagranges mean value theorem.
23	MANIMALA THIRUPATHI RAO	MPC	27	Y163028135	1.state and prove Cauchys mean value theorem 2.state and prove Fundamental theorem of integral calculus
24	MATTUKOYYA BALA RAJU	MPC	22	Y163028136	1.state and prove Cauchy-Schwartz inequality 2. state and prove Bessels inequality
25	MOGUL HUSSAIN	MPC	33	Y163028137	1.state and prove Parsevals identity 2.state and prove gramschmidt orthogonalisation process

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

Assignments 2018-19

S. No.	Student Name	Group	Roll No.	Hallticket No.	Topic of Assignment
27	MUNNANGI TEJESWARA REDDY	MPC	25	Y163028139	1. state and prove basis existence theorem 2. state and prove rank-nullity theorem
28	NADIMPALLI SARATHKUMAR	MPC	8	Y163028140	1.state and prove invariance theorem on subspaces .2.show that any two bases have same dimension
29	NAMBULA GOPALAKRISHNA	MPC	20	Y163028141	1.state and prove basis extension theorem. 2.show that range space of a linear transformation is a subspace of $V(F)$
30	PATRA KOTESWARARAO	MPC	40	Y163028142	1.show that null space of a linear transformation is a subspace of $U(F)$ 2. show that $\dim(\alpha+\beta)=\dim\alpha+\dim\beta-\dim(\alpha \wedge \beta)$
31	PATRA YESUBABU	MPC	34	Y163028143	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 $a\alpha+b\beta \in W$
32	POTLURI GOPI	MPC	7	Y163028144	1.show that every field is an integral domain. 2. show that every finite integral domain is a field
33	RAYAPUDI AJAY KIRAN KUMAR	MPC		Y163028145	1.show that characterstic of an integral domain is either prime or zero. 2. prove that every boolean ring is commutative.
34	SHAIK ARIFULLAKHADIRMOHIDDINSAHEB	MPC	26	Y163028146	show that union of two ideals is also an ideal iff one is contained in the other.
35	SHAIK JALEEL BASHA	MPC	6	Y163028147	1.Define a principal ideal ring. Show that every field is a principal ideal ring.
36	SHAIK SARDAM HUSSAIN	MPC	14	Y163028148	If f is a homomorphism from a ring R into a ring S , then show that $\text{Ker } f$ is an ideal of R .
37	SHAIK SULEMAN	MPC		Y163028149	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.
38	SHAIK VALI	MPC		Y163028150	1.show that characterstic of an integral domain is either prime or zero. 2. prove that every boolean ring is commutative.
39	THOTTEMPUDI PRABHUDAS	MPC		Y163028151	show that union of two ideals is also an ideal iff one is contained in the other.
40	VALAPARLA SURESHBABU	MPC	39	Y163028152	1.Define a principal ideal ring. Show that every field is a principal ideal ring.
S. No.	Student Name	Group	Roll No.	Hallticket No.	Topic of Assignment

ARUDRA MAHESH BABU	MPCs	Y163028162	If f is a homomorphism from a ring R into a ring S , then show that $\text{Ker } f$ is an ideal of R .
BANDUCHODE VENKAT SAI	MPCs	Y163028163	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 $a\alpha + b\beta \in W$
BATHULAVAIKUNTATHRIVENDRABABU	MPCs	220 Y163028164	1. show that every field is an integral domain. 2. show that every finite integral domain is a field
CHOUKALA ADILAKSHMI	MPCs	201 Y163028165	1. show that characteristic of an integral domain is either prime or zero. 2. prove that every boolean ring is commutative.
DEEKONDA THRIVENU	MPCs	239 Y163028166	show that union of two ideals is also an ideal iff one is contained in the other.
DUDEKULA ANWAR JANI	MPCs	209 Y163028167	1. Define a principal ideal ring. Show that every field is a principal ideal ring.
GALI TEJA	MPCs	214 Y163028168	If f is a homomorphism from a ring R into a ring S , then show that $\text{Ker } f$ is an ideal of R .
GANDIKOTA BALA GAYATRI	MPCs	210 Y163028169	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.
GANGASANI KRISHNA REDDY	MPCs	Y163028170	1. show that characteristic of an integral domain is either prime or zero. 2. prove that every boolean ring is commutative.
GUDIMETLA NEEHRUDAS	MPCs	218 Y163028171	show that union of two ideals is also an ideal iff one is contained in the other.