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Date	Lect.no.	Teachers name	Papers	Topics	Title
17.7.17	1	s.m.t.	iv	Motion of 3..D	Based theorem
	1	p.k.d.	i	Basic term of metrics spaces	Definition examples
18.7.17	2	s.m.t.	iv	Motion in 3D	Based theorem
	2	p.k.d.	i	Basic term of metrics spaces	Based problem
19.7.17	1	s.m.t.	v	L.P.P.	Convex set
	3	p.k.d	i	Metric space	Based theorem
20.7.17	2	S.m.t.	V	L.PP.	Convex set
	1	p.k.d	ii	Integral domain	Law of transformation
21.7.17		s.m.t.		C.T.	
	2	p.k.d.	ii	Integral domain	Based theorem
22.7.17	1	S,m,t	iii	Tensor algebra	Transformation of coordinate
	4	p.k.d.	i	Metrics spaces	Based theorem
24.7.17	3	S.m.t.	Iv	Motion of 3D	Based theorem
	5	p.k.d	i	Sequences space	Based theorem
25.7.17	4	s.m.t.	Iv	Motion of 3D	Based theorem
	6	p.k.d.	I	Sequences spaces	Based theorem
26.7.17	3	s.m.t.	V	L.PP	Two variable
	3	p.k.d.	ii	Integral transformation	Based theorem
27.7.17	4	s.m.t	V	L.PP.	Graphical method
	4	p.k.d.	ii	INTEGRAL TRANSFORM	Based theorem
29.7.17	2	s.m.t	iii	Contravariant vector	.....
		p.k.d.	...	C.T.	
31.7.17	5	s.m.t.	iv	Motion in 3D	Based articles
	7	p.k.d.	I	Metrics spaces	Theorem

1.8.17	6	s.m.t.	Iv	Motion in 3D	Based articles
	8	p.k.d.	I	Euclidean spaces	Based theorem
2.8.17	5	s.m.t.	V	L.pp	Standard form
	9	p.k.d.	i	Bounded metrics spaces	Based theorem
3.8.17	6	S.m.t.	V	L.pp	Slack variables
	5	p.k.d	ii	Integral transform	Based theorem
4.8.17	...3	s.m.t.	iii	Scalar invariant	.....
	6	p.k.d.	ii	Integral transform	Based theorem
5.8.17	.....	s.m.t.	....	C.T	
	10	p.k.d.	i	Integral transform	Based theorem
8.8.17	7	S.m.t.	Iv	Motion in 3D	Based theorem
	11	p.k.d.	I	Open sphere	Definition
9.8.17	8	s.m.t.	Iv	Motion in 3D	Based theorem
	12	p.k.d.	i	Open sphere	Based problem
10.8.17	7	s.m.t.	V	L.PP	Surplus variable
	7	p.k.d.	ii	Integral transform	Based theorem
11.8.17		s.m.t.	V	Lp.p.	Basic solution of l.pp.
	8	p.k.d.	ii	Integral domain	Based problem
12.8.17	4	s.m.t.	Iii	Scalar product of two variable	.....
	13	p.k.d.	i	Interior set	Based theorem
13.8.17	9	s.m.t.	iv	M.I.	BASED ARTICAL
	..	p.k.d.		C..T..	
16.8.17	10	S.M.T.	Iv	M.I	Based article
	14	p.k.d.	I	Interior set	Based theorem
17.8.17.	8	s.m.t.	V	L.PP	Simplex
	15	p.k.d	i	Closed set	Based theorem
18.8.17	9	s.m.t	V	Lpp	SIMPLEX
	9	p.k.d.	ii	Integral transform	Based theoem

19.8.17	5	s.m.t.	iii	Scalar product of two variable	.....
	10	p.k.d.	ii	Integral transform	Based theorem
21.8.17	11	s.m.t.	iv	M.I	Based theorem
	16	p.k.d	i	Closed set	Based theorem
22.8.17	....	s.m.t,	....	C.T.	.....
	17	p.k.d.	i	Closed set	Based theorem
23.8.17	12	s.m.t.	iv	M.I.	Based artical
	18	p.k.d.	i	Boundary of set	Based theorem
24.8.17	10	s.m.t	v	duality	Problem
	11	p.k.d.	ii	Analytic function	Def. example
25.8,17	11	s.m.t.	v	duality	Problem
	19	p.k.d.	i	Analytics function	Example
26.8.17	6	s.m.t	iii	Tensor of any order	.....
	20	p.k.d.	i	Closure set	Based theorem
28.8.17.	13	s.m.t.	iv	G.eq. of motion	Based articles
		p.k.d.		C.T./TEST	
29.8.17	14	s.m.t.	iv	G.E.of motion	Based articles
	21	p.k.d,	i	dense set	Based artical
31.8.17	12	s.m..t.	V	Duality	Fundamental theorem
	22	p.k.d.	i	Bases	Def. examples
1.9.17	13	s.m.t.	V	duality	Symmetric
	12	p.k.d	ii	Analytic function	Based theorem
2.9.17	15	s.m.t	Iv	g.e. of motion	Based artical
	13	p.k.d	ii	Analytical function	Based theorem
5.9.17	16	s.m.t	Iv	g.e. of motion	Based artical
	23	p.k.d	I	Bases and axioms of countability	Based theorems
6.9.17	14	s.m.t	V	duality	Based problem

	24	p.k.d	i	Subspace and product space	Based theorems
7.9.17		s.m.t		C.T	
	25	p.k.d	i	Subspace and product space	Based theorems
8.9.17	15	s.m.t	V	Duality	Dual of mixed system
	14	p.k.d	ii	Complex integration	Based theorem
9.9.17	7	s.m.t	Iii	Tensor of any order	
	15	p.k.d	ii	Complex integration	Based theorem
11.9.17	17	s.m.t	Iv	g.e of motion	Based artical
	26	p.k.d	i	Subspace and product space	Based theorem
12.9.17	18	s.m.t	Iv	g.e of motion	Based artical
	27	p.k.d	i	Subspace	Based theorem and problem
13.9.17	16	s.m.t	V	i.p.p	Introduction
	28	p.k.d	I	Compactness	Based examples,Defnition
14..9.17	17	s.m.t	v	i.p.p	Pure,Mixed i.p.p
		p.k.d		C.T	
15.9.17	8	s.m.t	Iii	Symmetric tensor	
	16	p.k.d	ii	Complex integration	Based theorem
16.9.17	19	s.m.t	Iv	Motion about a fixed axis	Artical
	17	p.k.d	ii	Complex integration	Based theorem
18.9.17	20	s.m.t	Iv	m.f.axis	Artical
	29	p.k.d	i	compactness	Compact space definition
19.9.17	18	s.m.t	V	i.p.p	Method of solution
	30	p.k.d	i	compactness	Based theorems
21.9.17	19	s.m.t	V	i.p.p	Gomory cutting plane
	31	p.k.d	i	compactness	Based theorems
22.9.17		s.m.t		C.T/TEST	
	18	p.k.d	ii	Complex integration	Based theorems
23.9.17	9	s.m.t	Iii	Skew-symmetric tensor	.....

	19	p.k.d	ii	Complex integration	Based theorem
.25.9.17	21	s.m.t	Iv	m.f.axis	Articles
	32	p.k.d	I	compactness	Based theorem
26.9.17	22	s.m.t	Iv	m.f.axis	Based theorem
	33	p.k.d	I	compactness	Based theorem
27.9.17	20	s.m.t	V	I.pp	Branch method
	34	p.k.d	I	Complex integration	Based theorem
3.10.17	21	s.m.t	V	I.pp	Bound theorem
	20	p.k.d	Ii	Complex integration	Based theorem
4.10.17	10	s.m.t	Iii	Addition and multiplication of tensor	.....
	....	p.k.d		C.T	
6.10.17	23	s.m.t	Iv	M.F.axis	Articles
	21	p.k.d	Ii	Complex integration	Based theorem
7.10.17	24	s.m.t	Iv	Forces in 3..D	Articals
	35	p.k.d	I	Compact ness	Based theorem
.9.10.17	22	s.m.t	V	I.pp	Zero one intergers
	22	p.k.d	II	Compactness	Based theorems
10.10.17	23	s.m.t	V	I.pp	Application
	36	p.k.d	I	compactness	Based theorem
11.10.17	11	s.m.t	Iii	Contravariet and quotient law	.....
	23	p.k.d	Ii	Complex integration	Based theorem
12.10.17	....	s.m.t		C.T.	
	24	p.k.d	Ii	Complex integration	
13.10.17	25	s.m.t	Iv	Force in 3 D	Articles
	37	p.k.d	I	compactness	B.W.P.
14.10.17	26	s.m.t	Iv	Force in 3.D	Articles
	38	p.k.d	I	compactness	B.W.P.

16.10.17	24	s.m.t	V	Transportation	Mathematics formulation
	39	p.k.d	I	Compactness	Based theorem
23.10.17	25	s.m.t	V	Transportation	Balanced transporation
	25	p.k.d	Ii	singularities	Def. and example
.24.10.17	12	s.m.t	Iii	Fundamental tensor	/.....
	26	p.k.d	Ii	Singularities	Based problems
25.10.17	27	s.m.t	Iv	Force in 3D	Central axis
	..	p.k.d		C.T/TEST	
.26.10.17	28	s.m.t	Iv	Force in 3D	WRENCHES
	40	p.k.d	I	Continuity	Based example
.27.10.17	26	s.m.t	V	Transportation	optimally test
	41	p.k.d	I	Continuity	Based theorem
.28.10.17	27	s.m.t	V	Transportation	Modified distribution
	42	p.k.d	I	Homomorphism	Based theorem
.30.10.17	13	s.m.t	Iii	Christoffel symbol	.....
	27	p.k.d	Ii	Singularity	Based problem
31.10.17	29	s.m.t	Iv	Force in 3D	Wrencehes based problem
	28	p.k.d	Ii	Singularity	Based problem
1.11.17	..	s.m.t		C.T.	
	43	p.k.d	I	Homomorphisim	Based problem
2.11.17	30	s.m.t	Iv	Force in 3D	Null line
	44	p.k.d	I	Homomorphism	Based theorem
3.11.17	28	s.m.t	V	Assignment problem	Mathematical formulation
	45	p.k.d	I	Continuity	Based theorem
6.11.17	29	s.m.t	V	Assignment problem	Based theorem
	29	p.k.d	Ii	Calculus of residue	Based problem
7.11.17	14	s.m.t	Iii	Law of transformation	.....
	30	p.k.d	Ii	Calculus of residue	Based problem

8.11.17	31	s.m.t	Iv	Force in 3D	Null plane
	46	p.k.d	I	Continuity	Based problem
10.11.17	32	s.m.t	Iv	Force in 3D	Null line based problem
	.....	p.k.d		C.T	
11.11.17	30	s.m.t	V	Assignment problem	Based problem
	47	p.k.d	I	Continuity	Based theorem
13.11.17	31	s.m.t	V	Assignment problem	Hungarian method
	48	p.k.d	I	Continuity	Based problem
14.11.17	15	s.m.t	Iii	Christoffel symbol	.....
	31	p.k.d	Ii	Calculus of residue	Based theorem
15.11.17	33	s.m.t	Iv	Force in 3D	Conjugate line
	32	p.k.d	Ii	Calculus of residue	Based theorem
16.11.17	34	s.m.t	Iv	Force in 3D	Conjugate line based problem
	49	p.k.d	I	Continuity	Based theorem
17.11.17	.	s.m.t		C.T.	
	50	p.k.d	I	Continuity	Based theorem
18.11.17	16	s.m.t	Iii	Covariant derivatives of covariant vector	.....
	51	p.k.d	I	continuity	Based theorem
20.11.17	17	s.m.t	Iii	Covariant derivatives of the contravariant vector	.....
	33	p.k.d	Ii	Calculus of residue	Based theorem
21.11.17	32	s.m.t	V	Assignment problem	Travelling salesman problem
	34	p.k.d	Ii	Calculus of residue	Based problem
22.11.17	35	s.m.t	Iv	Force in 3D	Based articles
	52	p.k.d	I	Completeness	Introduction
23.11.17	36	s.m.t	Iv	Force in 3D	Conjugate force based problem
	53	p.k.d	I	Completeness	Based theorem
24.11.17	18	s.m.t	Iii	Covariant diff.of tensor	.....

		p.k.d		C.T/TEST	
25.11.17	19	s.m.t	Iii	Curvature tensor	.....
	54	p.k.d	I	Sequence and subsequence	Based theorem
27.11.17	33	s.m.t	V	Game theory	Characteristics of game
	35	p.k.d	Ii	Calculus of residue	Based theorem
28.11.17	37	s.m.t	Iv	University problem	2010
	36	p.k.d	Ii	Calculus of residue	Based problem
29.11.17	38	s.m.t	Iv	University problem	2010
	55	p.k.d	I	Sequence	Based problem
30.11.17	20	s.m.t	Iii	Ricci theorem	.....
	56	p.k.d	I	Cauchy sequence	Based theorem
1.12.17		s.m.t		C.T. ....	....
	57	p.k.d	I	Baires category	Based theorem
2.12.17	21	s.m.t	Iii	Curvature tensor	.....
	37	p.k.d	Ii	Calculus of residue	Based theorem
3.12.17	22	s.m.t	Iii	Curve in space	Regular space
	38	p.k.d	Ii	Calculus of residue	Based theorem
6.12.17	39	s.m.t	Iv	University problem	2011
	58	p.k.d	I	Connectedness	Based problem
7.12.17	40	s.m.t	Iv	University problem	2011
	59	p.k.d	I	Connectedness	Based theorem
8.12.17	23	s.m.t	Iii	Curve in space	Tangent normal
	60	p.k.d	I	Connectedness	Based theorem
9.12.17	24	s.m.t	Iii	Curve in space	Principal normal
		p.k.d		C.T.	
11.12.17	25	s.m.t	Iii	Curve in space ....	.....
	39	p.k.d	Ii	Calculus of variation	Based problems
12.12.17	41	s.m.t	Iv	University problems	2011

	40	p.k.d	Ii	Calculus of variation	Based problem
13.12.17	42	s.m.t	Iv	University problem	2012
	61	p.k.d	I	Connected	Based theorem
14.12.17	26	s.m.t	Iii	Curves in space	Secret formula
	62	p.k.d	I	Connected	Based theorem
15.12.17	27	s.m.t	Iii	Curve in space	Contact between curve
	63	p.k.d	I	Connectedness	Based theorem
16.12.17	.....	s.m.t		C.T./	
	41	p.k.d	Ii	Calculus of variation	Based theorem
18.12.17	28	s.m.t	Iii	Curve in space	Normal plane
	42	p.k.d	Ii	Calculus of variation	Based theorem
19.12.17	43	s.m.t	Iv	University problem	2013
	64	p.k.d	I	Connectedness	Based theorem
20.12.17	44	s.m.t	Iv	University problem	2013
	65	p.k.d	I	Connectedness	Based theorem
21.12.17	29	s.m.t	Iii	Curve in space	Osculating sphere
	66	p.k.d	I	Connectedness	Based theorem
22.12.17	30	s.m.t	Iii	Curve in space	Helix
	43	p.k.d	Ii	Calculus of variation	Based theorem
23.12.17	31	s.m.t	Iii	Curve in space	Involutes
		p.k.d		C.T./TEST	
26.12.17	45	s.m.t	Iv	University problem	2014
	44	p.k.d	Ii	Calculus of variation	Based theorem
27.12.17	46	s.m.t	Iv	University problem	2014
		p.k.d	V	Transportation problem	Deff.,example
28.12.17	32	s.m.t	Iii	Theory of surface	Fundamental form
		p.k.d	V	Transportation problem	Based problem
29.12.18	33	s.m.t	Iii	Theory of surface	surface of revolution

		p.k.d	V	Transportation problem	Based problem
30.12.17	34	s.m.t	Iii	Theory of surface	Orthogonal trajectories
		p.k.d	V	Transporation problem	Based problem
1.1.18	.....	s.m.t		C.T.	
		p.k.d	V	Assignment problem	Deff. And example
2.1.18	47	s.m.t	Iv	University problem	2014
		p.k.d	V	Assignment problem	Based theorem
3.1.18	48	s.m.t	Iv	University problem	2014
		p.k.d	V	Assignment problem	Based problem
4.1.18	35	s.m.t	Iii	Theory of surface	Second fundamental form
		p.k.d	V	Assignment problem	Based problem
5.1.18	36	s.m.t	Iii	Theory of surface	Meusniers theory
		p.k.d	V	Assignment problem	Based problem
6.1.18	37	s.m.t	Iii	Theory of surface	Eulars theorem
	67	p.k.d	I	University problem	2012
.8.1.18	49	s.m.t	Iv	University problem	2015
	.....	p.k.d		C.T.	
9.1.18	50	s.m.t	Iv	University problem	2015
	68	p.k.d	I	University problem	2013
10.1.18	38	s.m.t	Iii	Theory of surface	Beltrami theorem
	69	p.k.d	I	University problem	2014
11.1.18	39	s.m.t	Iii	Theory of surface	Isometrics
	70	p.k.d	I	.....	University problem ..2014
12.1.18	40	s.m.t	Iii	Theory of surface	Codazzi theorem
		p.k.d	Ii	University problem	2012
16.1.18		s.m.t	V	Game theory	Dominance
	45	p.k.d	Ii	University problem	2013
17.1.18		s.m.t		C.T/	

	46	p.k.d	li	University problem	2014
18.1.18	41	s.m.t	lii	Theory of surface	Geodesics on a surface
	47	p.k.d	li	University problem	2015
19.1.18	42	s.m.t	lii	Theory of surface	Diff.eq.of the geodesics
	1	p.k.d	V	University problem	2013
20.1.18	43	s.m.t	lii	Theory of surface	Geodesic of curvature
	2	p.k.d	V	University problem	2014
22.1.18	51	s.m.t	Iv	University problem	2015
	3	p.k.d	V	University problem	2015
23..1.18	44	s.m.t	iii	Theory of surface	Based problem
	4	p.k.d	v	University problem	2014/2015
24.1.18	45	s.m.t	iii	Theory of surface	Based problem
		p.k.d		C.T/TEST	
25.1.18	45	s.m.t	iii	Theory of surface	Based problem
	5	p.k.d	v	University problem	2015
27.1.18	47	s.m.t	iii	Theory of surface	Based problem
	6	p.k.d	v	University problem	2016
29.1.18	48	s.m.t	iii	Theory of surface	Based problem
	7	p.k.d	v	University problem	2016
30.1.18	49	s.m.t	iii	Theory of surface	Based problem
	8	p.k.d	v	University problem	2016
31.1.18	50	s.m.t	iii	Theory of surface	Based problem
	9	p.k.d	v	University problem	2016