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कक्षा : बी.एस-सी. भाग-तीन पाठ्यक्रम योजना : सत्र 2018 19				विषय : गणित	
Date	Lect.no.	Teachers name	Papers	Topics	Title
16.7.18.	1	s.m.t.	iv	Motion of 3..D	Based theorem
	1	p.k.d.	i	Basic term of metrics spaces	Definition examples
17. .7.18.	2	s.m.t.	iv	Motion in 3D	Based theorem
	2	p.k.d.	i	Basic term of metrics spaces	Based problem
18.7.18.	1	s.m.t.	v	L.P.P.	Convex set
	3	p.k.d	i	Metric space	Based theorem
19.7.18.	2	S.m.t.	V	L.PP.	Convex set
	1	p.k.d	ii	Integral domain	Law of transformation
20.7.18.		s.m.t.		C.T.	
	2	p.k.d.	ii	Integral domain	Based theorem
21.7.18.	1	S,m,t	iii	Tensor algebra	Transformation of coordinate
	4	p.k.d.	i	Metrics spaces	Based theorem
23.7.18.	3	S.m.t.	Iv	Motion of 3D	Based theorem
	5	p.k.d	i	Sequences space	Based theorem
24.7.18.	4	s.m.t.	Iv	Motion of 3D	Based theorem
	6	p.k.d.	I	Sequences spaces	Based theorem
25.7.18.	3	s.m.t.	V	L.PP	Two variable
	3	p.k.d.	ii	Integral transformation	Based theorem
26.7.18.	4	s.m.t	V	L.PP.	Graphical method

	4	p.k.d.	ii	INTEGRAL TRANSFORM	Based theorem
27.7.18.	2	s.m.t	iii	Contravariant vector	.....
		p.k.d.	...	C.T.	
28.7.18.	5	s.m.t.	iv	Motion in 3D	Based articles
	7	p.k.d.	I	Metrics spaces	Theorem
30.7.18.	6	s.m.t.	Iv	Motion in 3D	Based articles
	8	p.k.d.	I	Euclidean spaces	Based theorem
31.7.18.	5	s.m.t.	V	L.pp	Standard form
	9	p.k.d.	i	Bounded metrics spaces	Based theorem
1.8.2018	6	S.m.t.	V	L.pp	Slack variables .....ppt
	5	p.k.d	ii	Integral transform	Based theorem
2.8.2018	...3	s.m.t.	iii	Scalar invariant	.....
	6	p.k.d.	ii	Integral transform	Based theorem
3.8.2018	.....	s.m.t.	....	C.T	
	10	p.k.d.	i	Integral transform	Based theorem
4.8.2018	7	S.m.t.	Iv	Motion in 3D	Based theorem
	11	p.k.d.	I	Open sphere	Definition
6.8.2018	8	s.m.t.	Iv	Motion in 3D	Based theorem
	12	p.k.d.	i	Open sphere	Based problem
7.8.2018	7	s.m.t.	V	L.PP	Surplus variable .....ppt
	7	p.k.d.	ii	Integral transform	Based theorem
8.8.2018		s.m.t.	V	Lp.p.	Basic solution of l.pp. ....ppt
	8	p.k.d.	ii	Integral domain	Based problem
9.8.2018	4	s.m.t.	Iii	Scalar product of two variable	.....

	13	p.k.d.	i	Interior set	Based theorem
10.8.2018	9	s.m.t.	iv	M.I.	BASED ARTICAL
	..	p.k.d.		C..T..	
11.8.2018	10	S.M.T.	Iv	M.I	Based article
	14	p.k.d.	I	Interior set	Based theorem
12.8.2018	8	s.m.t.	V	L.PP	Simplex
	15	p.k.d	i	Closed set	Based theorem
13.8.2018	9	s.m.t	V	Lpp	SIMPLEX
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	16	p.k.d	i	Closed set	Based theorem.....ppt
18.8.2018		s.m.t,		C.T.	
	17	p.k.d.	i	Closed set	Based theorem
20.8.2018	12	s.m.t.	iv	M.I.	Based artical
	18	p.k.d.	i	Boundary of set	Based theorem
21.8.2018	10	s.m.t	v	duality	Problem
	11	p.k.d.	ii	Analytic function	Def. example
23.8.2018	11	s.m.t.	v	duality	Problem
	19	p.k.d.	i	Analytics function	Example
24.8.2018	6	s.m.t	iii	Tensor of any order	.....
	20	p.k.d.	i	Closure set	Based theorem
25.8.2018	13	s.m.t.	iv	G.eq. of motion	Based articles

		p.k.d.		C.T./TEST	
27.8.2018	14	s.m.t.	iv	G.E.of motion	Based articles
	21	p.k.d,	i	dense set	Based artical
28.8.2018	12	s.m..t.	V	Duality	Fundamental theorem
	22	p.k.d.	i	Bases	Def. examples
29.8.2018	13	s.m.t.	V	duality	Symmetric
	12	p.k.d	ii	Analytic function	Based theorem
30.8.2018	15	s.m.t	Iv	g.e. of motion	Based artical
	13	p.k.d	ii	Analytical function	Based theorem
1.9.2018	16	s.m.t	Iv	g.e. of motion	Based artical
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	24	p.k.d	i	Subspace and product space	Based theorems
5.9.2018		s.m.t		C.T	
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6.9.2018	15	s.m.t	V	Duality	Dual of mixed system.....ppt
	14	p.k.d	ii	Complex integration	Based theorem
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	15	p.k.d	ii	Complex integration	Based theorem
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	26	p.k.d	i	Subspace and product space	Based theorem
10.9.2018	18	s.m.t	Iv	g.e of motion	Based artical
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	30	p.k.d	i	compactness	Based theorems
18.9.2018	19	s.m.t	V	i.p.p	Gomory cutting plane
	31	p.k.d	i	compactness	Based theorems
19.9.2018		s.m.t		C.T./	
	18	p.k.d	ii	Complex integration	Based theorems
20.9.2018	9	s.m.t	Iii	Skew-symmetric tensor	
	19	p.k.d	ii	Complex integration	Based theorem
22.9.2018	21	s.m.t	Iv	m.f.axis	Articles
	32	p.k.d	I	compactness	Based theorem
24.9.2018	22	s.m.t	Iv	m.f.axis	Based theorem
	33	p.k.d	I	compactness	Based theorem
25.9.2018	20	s.m.t	V	I.pp	Branch method
	34	p.k.d	I	Complex integration	Based theorem

26.9.2018	21	s.m.t	V	I.pp	Bound theorem
	20	p.k.d	Ii	Complex integration	Based theorem
27.9.2018	10	s.m.t	Iii	Addition and multiplication of tensor	
		p.k.d		C.T/test	
28.9.2018	23	s.m.t	Iv	M.F.axis	Articles
	21	p.k.d	Ii	Complex integration	Based theorem
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	35	p.k.d	I	Compact ness	Based theorem
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	22	p.k.d	II	Compactness	Based theorems
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	36	p.k.d	I	compactness	Based theorem
5.10.18	11	s.m.t	Iii	Contravariet and quotient law	
	23	p.k.d	Ii	Complex integration	Based theorem
6.10.18		s.m.t		C.T.	
	24	p.k.d	Ii	Complex integration	
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	37	p.k.d	I	compactness	B.W.P.
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11.10.18	24	s.m.t	V	Transportation	Mathematics formulation
	39	p.k.d	I	Compactness	Based theorem

12.10.18	25	s.m.t	V	Transportation	Balanced transporation
	25	p.k.d	Ii	singularities	Def. and exampleppt
13.10.18	12	s.m.t	Iii	Fundamental tensor	/.....
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15.10.18	27	s.m.t	Iv	Force in 3D	Central axis
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	42	p.k.d	I	Homomorphism	Based theorem
24.10.18	13	s.m.t	Iii	Christoffel symbol	
	27	p.k.d	Ii	Singularity	Based problem
25.10.18	29	s.m.t	Iv	Force in 3D	Wrencehes based problem
	28	p.k.d	Ii	Singularity	Based problem
26.10.18	..	s.m.t		C.T. /TEST	
	43	p.k.d	I	Homomoraphism	Based problem
27.10.18	30	s.m.t	Iv	Force in 3D	Null line
	44	p.k.d	I	Homomorphism	Based theorem
29.10.18	28	s.m.t	V	Assignment problem	Mathematical formulation

	45	p.k.d	I	Continuity	Based theorem
31.10.18	29	s.m.t	V	Assignment problem	Based theorem
	29	p.k.d	Ii	Calculus of residue	Based problem
1.11.2018	14	s.m.t	Iii	Law of transformation	.....
	30	p.k.d	Ii	Calculus of residue	Based problem
2.11.2018	31	s.m.t	Iv	Force in 3D	Null plane
	46	p.k.d	I	Continuity	Based problem
3.11.2018	32	s.m.t	Iv	Force in 3D	Null line based problem
	.....	p.k.d		C.T	
12.11.2018	30	s.m.t	V	Assignment problem	Based problem
	47	p.k.d	I	Continuity	Based theorem
13.11.2018	31	s.m.t	V	Assignment problem	Hungarian method
	48	p.k.d	I	Continuity	Based problem
14.11.2018	15	s.m.t	Iii	Christoffel symbol	.....
	31	p.k.d	Ii	Calculus of residue	Based theorem
15.11.2018	33	s.m.t	Iv	Force in 3D	Conjugate line
	32	p.k.d	Ii	Calculus of residue	Based theorem
16.11.2018	34	s.m.t	Iv	Force in 3D	Conjugate line based problem
	49	p.k.d	I	Continuity	Based theorem
17.11.2018	.	s.m.t		C.T.	
	50	p.k.d	I	Continuity	Based theorem
19.11.2018	16	s.m.t	Iii	Covariant derivatives of covariant vector	.....
	51	p.k.d	I	continuity	Based theorem
20.11.2018	17	s.m.t	Iii	Covariant derivatives of the contravariant vector	.....

	33	p.k.d	Ii	Calculus of residue	Based theorem
21.11.2018	32	s.m.t	V	Assignment problem	Travelling salesman problem
	34	p.k.d	Ii	Calculus of residue	Based problem
22.11.2018	35	s.m.t	Iv	Force in 3D	Based articles
	52	p.k.d	I	Completeness	Introduction
23.11.2018	36	s.m.t	Iv	Force in 3D	Conjugate force based problem
	53	p.k.d	I	Completeness	Based theorem
24.11.2018	18	s.m.t	Iii	Covariant diff.of tensor	.....
		p.k.d		C.T/TEST	
26.11.2018	19	s.m.t	Iii	Curvature tensor	.....
	54	p.k.d	I	Sequence and subsequence	Based theorem
27.11.2018	33	s.m.t	V	Game theory	Characteristics of game
	35	p.k.d	Ii	Calculus of residue	Based theorem
28.11.2018	37	s.m.t	Iv	University problem	2010
	36	p.k.d	Ii	Calculus of residue	Based problem
29.11.2018	38	s.m.t	Iv	University problem	2010
	55	p.k.d	I	Sequence	Based problem
30.11.2018	20	s.m.t	Iii	Ricci theorem	.....
	56	p.k.d	I	Cauchy sequence	Based theorem
1.12.2018		s.m.t		C.T. ....	....
	57	p.k.d	I	Baires category	Based theorem
3.12.2018	21	s.m.t	Iii	Curvature tensor	.....
	37	p.k.d	Ii	Calculus of residue	Based theorem
6.12.2018	22	s.m.t	Iii	Curve in space	Regular space

	38	p.k.d	Ii	Calculus of residue	Based theorem
7.12.2018	39	s.m.t	Iv	University problem	2011
	58	p.k.d	I	Connectedness	Based problem
8.12.2018	40	s.m.t	Iv	University problem	2011
	59	p.k.d	I	Connectedness	Based theorem
11.12.2018	23	s.m.t	Iii	Curve in space	Tangent normal
	60	p.k.d	I	Connectedness	Based theorem
12.12.2018	24	s.m.t	Iii	Curve in space	Principal normal
		p.k.d		C.T.	
13.12.2018	25	s.m.t	Iii	Curve in space ....	.....
	39	p.k.d	Ii	Calculus of variation	Based problems
14.12.2018	41	s.m.t	Iv	University problems	2011
	40	p.k.d	Ii	Calculus of variation	Based problem
15.12.2018	42	s.m.t	Iv	University problem	2012
	61	p.k.d	I	Connected	Based theorem
17.12.2018	26	s.m.t	Iii	Curves in space	Secret formula
	62	p.k.d	I	Connected	Based theorem
18.12.2018	27	s.m.t	Iii	Curve in space	Contact between curve
	63	p.k.d	I	Connectedness	Based theorem
19.12.2018	.....	s.m.t		C.T./Test	
	41	p.k.d	Ii	Calculus of variation	Based theorem
20.12.2018	28	s.m.t	Iii	Curve in space	Normal plane
	42	p.k.d	Ii	Calculus of variation	Based theorem

21.12.2018	43	s.m.t	Iv	University problem	2013
	64	p.k.d	I	Connectedness	Based theorem
22.12.2018		s.m.t	Iv	Workshop national mathematics day	
		p.k.d	I	Connectedness	Based theorem
31.12.2018	29	s.m.t	Iii	Curve in space	Osculating sphere
	65	p.k.d	I	Connectedness	Based theorem
1.1.2019	30	s.m.t	Iii	Curve in space	Helix
	43	p.k.d	Ii	Calculus of variation	Based theorem
2.1.2019	31	s.m.t	Iii	Curve in space	Involutes
		p.k.d		C.T/TEST	
3.1.2019	44	s.m.t	Iv	University problem	2014
	44	p.k.d	Ii	Calculus of variation	Based theorem
4.1.2019	45	s.m.t	Iv	University problem	2014
	1	p.k.d	V	Transportation problem	Deff.,example
5.1.2019	32	s.m.t	Iii	Theory of surface	Fundamental form
	2	p.k.d	V	Transportation problem	Based problem
7.1.2019	33	s.m.t	Iii	Theory of surface	surface of revolution
	3	p.k.d	V	Transportation problem	Based problem
8.1.2019	34	s.m.t	Iii	Theory of surface	Orthogonal trajectories
	4	p.k.d	V	Transporation problem	Based problem
9.1.2019	.....	s.m.t		C.T.	
	5	p.k.d	V	Assignment problem	Deff. And example
10.1.2019	46	s.m.t	Iv	University problem	2014
	6	p.k.d	V	Assignment problem	Based theorem

11.1.2019	47	s.m.t	Iv	University problem	2014
	7	p.k.d	V	Assignment problem	Based problem
12.1.2019	35	s.m.t	Iii	Theory of surface	Second fundamental form
	8	p.k.d	V	Assignment problem	Based problem
17.1.2019	36	s.m.t	Iii	Theory of surface	Meusniers theory
	9	p.k.d	V	Assignment problem	Based problem
18.1.2019	37	s.m.t	Iii	Theory of surface	Eulars theorem
	66	p.k.d	I	University problem	2012
19.1.2019	48	s.m.t	Iv	University problem	2015
	.....	p.k.d		C.T.	
21.1.2019	49	s.m.t	Iv	University problem	2015
	67	p.k.d	I	University problem	2013
23.1.2019	38	s.m.t	Iii	Theory of surface	Beltrami theorem
	68	p.k.d	I	University problem	2014
24.1.2019	39	s.m.t	Iii	Theory of surface	Isometrics
	69	p.k.d	I	.....	University problem ..2014
25.1.2019	40	s.m.t	Iii	Theory of surface	Codazzi theorem
	44	p.k.d	Ii	University problem	2012
28.1.2019		s.m.t	V	Game theory	Dominance
	45	p.k.d	Ii	University problem	2013
29.1.2019		s.m.t		C.T/	
	46	p.k.d	Ii	University problem	2014
30.1.2019	41	s.m.t	Iii	Theory of surface	Geodesics ona surface
	47	p.k.d	Ii	University problem	2015

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