	it Deen	201/19	SM602T				Funct	ional Analysi	c .	hool of Technolo
Teaching Scheme					Examination Scheme					
		Р	C	Hrs/Week	Theory Practical					Total
L	т				MS	ES	IA	LW	LE/Viva	Marks
3	1	0	4	4	25	50	25			100
DURS	To in [.] To giv	miliarize troduce ve stude	the stu the cor nts a w	idents with the bas cepts of Banach sp orking knowledge of the theory of f	baces and Hilb of the basic pi	ert spaces. roperties of bou			sis.	
UNI	T 1 SPA	CES AN		RATORS						12Hrs
Unit	ary and	Normal	Operat	-	complements	s and Direct Sur	ns, <mark>kepresent</mark>	ation of Func	uonal on Hilber	t Spaces, Self-Adjoin 8 Hrs
				form boundedness	theorem, Op	en mapping the	orem, Closed	graph theore	<mark>:m</mark> .	
_	T 3 SPE	-	_							10 Hrs
	c conce _l pint Line		iplex an	alvsis on Banach s	nacos Sportra	al Properties of	Compact Line	ar Operators,	Spectral Proper	tion of Roundod So
Adjo			ators.	arysis on Danach s	paces, Specific					ties of bounded se
	Τ 4 ΔΡΙ	-								
UNI	T 4 AP	PLICATI	ONS							10 Hrs
UNI		PLICATI	ONS	rs, Momentum Op						10 Hrs
UNI Unb		PLICATI	ONS Operato							10 Hrs r Equation.
UNI Unb COUF	ounded RSE OU	PLICATI Linear (TCOME of the c	ONS Operato	rs, Momentum Op tudent will be able	erator, Heiser	nberg Uncertair				10 Hrs r Equation.
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UNI Unb COUF n com D1 – L D2 – I D3 – L D3 – L D4 – L D5 – I D6 – Z W Ka Err Jo	ounded RSE OU apletion Jndersta Jndersta Jndersta Jndersta Apply fu REFERE alter Ru iren Saxi win Krey hn B. Co	PLICATI Linear C TCOME of the c and and linear c and the and how hly expl ndamen NCE BC din, Fun e, Begin (szig, Int nway, A	ONS Dperato S ourse, s apprec operato fundam / the ab ain Bana / the ab	rs, Momentum Op itudent will be able iate the basic conc rs, self adjoint, iso entals of spectral i stract theory work ach and Hilbert spa orems from the the Analysis-McGraw- actional analysis-Sp	erator, Heiser e to epts of function metric and un cheory. s in practice. aces. ory. Hill, 1991. pringer,2002. ysis with appli lysis, z-lib.org.	berg Uncertair onal Analysis. itary operators	ty Principle, T	ime-Indepen		10 Hrs r Equation.

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