_					19BS	SM803 - T	opology			
	Те	achi	ng S	cheme	Examination Scheme					
L	Τ	Р	С	C Hrs/Week	Theory			Pra	actical	TotalMark
					MS	ES	IA	LW	LE/Viva	
3	1		4	4	25	50	25			100
1. ⁷ 2. ⁷	To ga	ain th	ne dit	fference of M	etric Space	e in Real A	nalysis an	nd in term	s of Topolo	egy
1	topol	ogica	al str	uctures	ineur eupu				set altory	
3. 	To s know To de	tudy, /n set evelc	unc ts. pm	ath skills for	apply the	knowledg	ge of find	of connect	topological ctedness and	properties of the properties o
i	in top	polog	gical	aspects	1					
						SYLLAB	US		•	
Unit-I						-			09	
<mark>Top</mark>	polog	ical s	space	es: Definition	and exam	ples, Open	and close	sets in to	pological s	paces, Usual
top	ology	and /	<u>S - 1</u>	opology on R	<mark>l, Compari</mark>	son of top	ologies, N	eighborh	ood.	
UN	IT I	[10	
Clu	ister j	point	s, Cl	osure and inte	erior point	s of a set,	Definition	and exai	nples of a d	loor space an
den	ise se	e <mark>t, C</mark> o	ontini	uity in a topol	ogical spa	ce and hon	neomorph	ism.		
UN	IT I	Π						and the second s	10	
Definition and examples of connected and disconnected spaces, Connectedness in R, Relative										
top	ology	, Co	onne	cted subspace	s, Open co	over, Comp	act space			
UN	IT I	V					- Alas		10	
Cor	npac mple	tness es of '	іп Г0; Т	R1; R2 and F1; T2 - space	metric s , Hausdor	pace, Prop ff property	oerties of of a metr	compactic space.	t spaces, I	Definition an
exa										
UN	IT-V	7							13	
UN Use (1)	IT-V eful N <u>http</u> :	7 NPTI s://np	EL lo	ectures Link: c.in/courses/1	111106054	<u>H</u>			13	
UN Use (1) AP	IT-V eful M <u>http:</u> PRO	7 NPTI s://np XIN	EL lo otel.a IAT	ectures Link: c.in/courses/1 E TOTAL	111106054				52	Hours
UN Use (1) AP	IT-V eful M <u>http:</u> PRO	7 NPTI s://np DXIM	EL lo otel.a IAT	ectures Link: c.in/courses/1 E TOTAL	0UTCOM	<u>H</u> MES			52	Hours
UN Use (1) AP	IT-V eful M http: PRO	7 NPTI s://np XIN	EL lo otel.a IAT	ectures Link: c.in/courses/1 E TOTAL e connection l	OUTCON Detween R	<u>H</u> MES eal Analys	is and Top	pology	52	Hours
UN Use (1) AP	IT-V eful M http: PRO	7 NPTI s://np OXIM	EL lo otel.a IAT	ectures Link: c.in/courses/1 E TOTAL e connection l inderstand the	OUTCOM oetween R e different	AES eal Analys topologica	is and Top l terminol	pology ogies	52	Hours
UN USE (1) AP	IT-V eful N <u>http:</u> PRO Unde Desc Get a will t	NPTI s://np XIN	EL lo tel.a IAT	ectures Link: c.in/courses/1 E TOTAL e connection l inderstand the ew of the nec-	OUTCON between R e different essity of	ATES eal Analys topologica studying t	is and Top l terminol opological	pology ogies I problem	13 52	Hours
UN Use (1) AP	IT-V eful M http: PRO Unde Desc Get a will t Enha	vpTI s://np DXIN erstar ribe a a clea ry to ncen	EL lo otel.a IAT	ectures Link: c.in/courses/ E TOTAL E TOTAL e connection l inderstand the ew of the nec- lore how it's c of the kno	OUTCOM Detween R e different essity of connected wledge	AES eal Analys topologica studying to with geom of "Ti" a	is and Top I terminol opological etry as we xioms to	oology ogies I problem ill build	13 52 Is and strong	Hours

- J. R. Munkres, "Topology", 2nd Edition, PHI
 Simmons, G.F., "Introduction to Topology and Modern Analysis', Krieger Publishing Company 3. S. Kumaresan, "Topology of Metric Spaces", Narosa Publication