Objectives:

- 1. To give fundamental knowledge of sets, functions and bounds.
- 2. To make them understand convergence and divergence of sequence and series.
- 3. To make student's familiar with concept of Integrability.

					BSM 403	T Real An	alysis			
Teaching Scheme				eme	Examination Scheme					
L	Т	Р	C	Hrs./Week	Theory			Pra	Practical	
					MS	ES	IA	LW	LE/Viva	
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	UNIT I									10
				s, operations			<mark>real val</mark>	ued func	tions, equ	iivalence,
cou	IIIadh	ity, ie		mbers, least	upper boun	us.				
	UNIT									10
			•	ence and su	*		•		Ũ	•
	0			s, bounded			1	es, operat	tion on co	onvergent
sequ	ience.	, limi	t supe	erior, limit inf	erior, Cau	chy sequend	ces.			
	UNIT	III								10
	Ŭ			divergence,			U			<mark>g series</mark> ,
cond	dition	al and	1 abso	olute converg	ence, cond	itions for a	bsolute co	nvergence	e .	
UNI	T IV									09
				ity & integra						
				nt definition						
				of bounded va definite interview.	•		.		•	
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A	PPRO	XIMA	TE TC	TAL						39 Hours
Tex	t Boo	k:								
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Outcome:

- 1. Students will be able to distinguish between countable, uncountable, finite and infinite sets.
- 2. Students will be able to understand convergence of sequence and convergence of series.
- 3. Student's will be able to understand fundamental theorem of calculus and Riemann integrable functions and their importance.