	rse de	UCD20S02L	Course Name	QUANTITATIVE APTITUDE AND RE	ASONING		urse egory	1	s			;	Skill	Enha	ance	men	t Co	urse				L 0	T 0	P 2	C 1		
	Pre-red	uisite Courses	Nil	Co-requisite Courses Nil		П	Proc	ares	sive	Cours	es	Nil													500		
Cours		ing Department	Carrer Guida		ok / Codes/Standards				7000,000		(4)					Nil									- 3		
			20							7 [4														750		
(CLR		ing Rationale	The purpose of	of learning this course is to:			Le	earni	ng					P	rogra	am L	earni	ng C	utco	mes	(PLC	0)					
CLR-		nonstrate various	s principles involve	d in solving mathematical concepts			1	2	3	10	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
CLR-	2: Dev	elop interest and	d awareness in stu	dents regarding profit/ loss, interest calcula	ations and average					1			- 10									,					
CLR-	3	ically evaluate ba abination, time a		concepts related to mixtures and alligation	s, permutation and				-			P.	SS			O)											
CLR-	Provide students with skills necessary to generate and interpret data and concepts related to time, speed				ed	(mc	(%)	(%)	1	ge	ts	with Related Disciplines	29923		Knowledge		-										
50000000000	ana	distance and blooms		in a skilla			Bloc	Thinking (Bloom) d Proficiency (%) d Attainment (%)		ncy (Knowledge	Concepts	Disc	gge	tion	lwor		Data	2000	Skills	Skills			vior	-
CLR-	Cro		understand reason		tude and reasoning sk	ille	ng (ng (cien	me		Cho	S	pa	owle	lizal		ng		Skills	S g		(n		Behavior
CLR-		Create awareness in students regarding the various concepts in quantitative aptitude and reasoning skills and also its importance in various competitive exams		ulis	ninkii	Profi	Attair	4-		to o	Relat	Procedural Knowledge	Specialization	to Utilize	Modeling	nterpret	ve S	Solving	Communication	Skills		al B	Learning				
		•			A RESTRICTION OF	W.	of T	ected	ected /	1	mer	ication	#	ura	in Sp	to	in M	_	stigative	m S	- E	ytical	Skills	essional	Long		
1900 9000		ing Outcomes	At the end of	this course, learners will be able to:		23	-	pect	pect		-undamental	plig		ЭСС	10	>	"	alyze,	esti	Problem	mm	alyti		Sejc	9 2		
(CLO							Leve	Expe	Expe		_	Appl	Link		Skills	Abilit	Skills	Anal	Inve	P	ပိ	Anal	CT	Profe	Life		
CLO-				ons based on numbers, logarithms.	The Roy of		3	80	70		Н	Н	М	Н	L	М	-	Н	15	Н		Н	М	•	H		
CLO-	CLO-2: Create, solve, interpret and apply basic mathematical models which are applicable in our day to day life Understand the concepts of mixtures and alligations, permutation and combinations, probability, time and				3	80	75		M	Н	M	Н	-	M	5	Н		Н	-	Н	M	- 5	H				
CLO-				mpler and innovative method	опѕ, рговавшку, ште а	iria	3	85	70		М	Н	М	Н	-	М	-	П	-	Н	-	П	М	-	П		
CLO-	CLO-4: Understand the concept in time ,speed and distance		- 1	3	85	80		М	Н	М	Н	-	М	-	Н	-	Н		Н	М	-	Н					
CLO-	CLO-5 : Ability to solve the problems on reasoning			_		75		М	Н	М	Н	-	М	-	Н		Н	3.73	Н	М	•	Н					
CLO-	6: Able	e to face differen	t competitive exam	ns			3	80	70		М	Н	M	Н	-	M	-	Н	Н	М	_	Н	М	-	Н		
		To the state of th		Carlotte Management of the Control o																							
	ration our)		6	6	6								6								6	i					
0.4	SLO-1	Classification o	f numbers	Profit and Loss-Introduction	Mixtures and Alligat	ions-Ir	ntrodu	uction Time, Speed and Distance-Problems Direction Sense-Introduction					ction														
S-1	SLO-2	Test of divisibili	ity	Profit and Loss- Basic Problems Mixtures and Alligation		ions-P	Problems Time, Speed and Distance- Boats&Streams Direction Sens			e-Problems																	
0.0	SLO-1 Unit digit Statisti		Statistics-Introduction	Permutation -Introduction& Basics		sics		Data Interpretation – Bar chart			1	Number Series															
S-2	SLO-2 Tailed zeroes Statistics-Mean, Median, Mode Combination-Inter-		Combination-Introdu	uction 8	& Basics Data Interpretation – Pi			Pie o	chart		Word Series																
0.0	SLO-1	-1 HCF, LCM Simple Interest-Introduction, Formulas & Probability-Introduction		tion &E	Basics Data Interpretation – Table Seating Arrang		gements - Linear																				
S-3	SLO-2	SLO-2 HCF, LCM - Solving problems Compound Interest- Introduction, Formulas & Problems Probability-Problems		s	[Data Interpretation – Line graph				(Seating Arrangements – Circular															
S-4	SLO-1	Logarithm -Intr	oduction of log rule	Word problems on Line equations- Introduction	Time and work-Intro	oductio	n	Data sufficiency-Introduction and Basics Puzzles-Cor			conce	cepts															
3-4	SLO-2	Logarithm -App	olications of log rule	Word problems on Line equations- Basic problems	Time and work-Men and Work			[Data sufficiency-Problems				F	Puzzles-Problems													

S-5	SLO-1	Percentage -Introduction	IAVERAGE INTRODUCTION & RASICS	Time and work-Pipes &Cisterns(Introduction)	Blood relation-Introduction	Clocks-Concepts Discussion		
3-5	A081 91].		Averages-Tricky Problems	(&Cisterns(Problems)	Blood relation-Problems	Clocks-Problems		
S-6	SLO-1	Percentage-Increasing & Decreasing functions	IRATIO AND PRODOTIONS INTRODUCTION	Time, Speed and Distance- Introduction	Coding – Decoding-Introduction	Calendars-Introduction of basic concept		
3-0	SLO-2	rercentage- iviscellaneous problems		Time, Speed and Distance-Basic problems	Coding - Decoding-Different types	Calendars-Problems		

Learning Resources	Abhijit Guha, Quantitative Aptitude for Competitive Examinations, Tata McGraw Hill, 5th Edition Dr. Agarwal.R.S., Quantitative Aptitude for Competitive Examinations, S. Chand and Company Limited, 2018 Edition Archana Ram, PlaceMentor: Tests of Aptitude for Placement Readiness, Oxford University Press, Oxford, 2018	4. Edgar Thrope, Test Of Reasoning for Competitive Examinations, Tata McGraw Hill, 6 th Edition 5. Dinesh Khattar, The Pearson Guide to Quantitative Aptitude for competitive examinations, Pearson, 3 rd Edition 6. P A Anand, Quantitative Aptitude for competitive examinations, Wiley publications, e book, 2019

	Disamis	Continuous Learning Assessment (100% weightage)								
Level	Bloom's Level of Thinking	CLA - 1 (20%)	CLA - 2 (20%)	CLA - 3 (30%)	CLA - 4 (30%)#					
	Ecver of Tillinking	Practice	Practice	Practice	Practice					
_evel 1	Remember	30%	30%	30%	30%					
everi	Understand									
evel 2	Apply	30%	30%	30%	30%					
evel 2	Analyze	30 76	30 /6	30 %						
evel 3	Evaluate	40%	40%	40%	40%					
evel J	Create	40 /0	40 /0	40 /0						
	Total	100 %	100 %	100 %	100 %					

CLA - 4 can be from any combination of these: Assignments, Seminars, Short Talks, Mini-Projects, Case-Studies, Self-Study, MOOCs, Certifications, Conf. Paper etc.,

Course Designers							
Experts from Industry	Internal Experts						
1. Ajay Zener, Director, Career Launcher	Dr P Madhusoodhanan, HoD, CDC, E&T, SRMIST Dr M Snehalatha, Assistant. Professor, CDC, E&T, SRMIST						