Cours	Course Code PCA20A		Course Name	CAREER AD	VANCEME	ENT- I Cour		ourse Category		AE		Ability Enhancement Course L T 3 0			P 0	C 3													
Pre-requisite Courses Nil					20	. At	,									-	3.943												
		e Courses Department	Nil Caroor Guidanco		Nil Data Book	/ Codes/Standards	P	rogi	essi	ve (Courses	5 IVI	1			Nil													
Course	Ollering	Беранинени	Career Guidance	and Development	Dala Dook	/ Codes/Standards					9 <u>94</u>					IVII													
Course Learning Rationale (CLR): The purpose of learning this course is to:			Lea	arnin	g				Pro	ogra	m Le	arni	ng O	utco	tcomes (PLO)														
CLR-1	Demo	nstrate various	principles involved	l in solving mathematica	I concepts			1	2	3	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15				
CLR-2	Dayolan interact and awareness in students regarding profit/less, interact calculations and							2							2,-				- /-										
CLR-3	PT .	Critically evaluate basic mathematical concepts related to mixtures and alligations, permutation and combination and Statistics			20020					Sec			Эe																
CLR-4			skills necessary to se and blood relati	o generate and interpret ion.	data and c	oncepts related to		(Bloom)	%) k	ıt (%)	ledge	Concepts	Related Disciplines	ge	uo	Knowledge		ata		Skills	Skills			ior					
CLR-5			derstand reasonin											mer	low	OUG	d b	Nec	izati		g	et D	SIII.					Behavior	ng
CLR-6	200000000000000000000000000000000000000			the various concepts in in various competitive e		e aptitude and] ;			Attainment	ntal Knowledge	o Jo u		al Knowledge	Q	Utilize	lodeling	Interpret Data	ive Skills	Solving	cation	Skills	200,000		Learning				
_		- 8					_ ;	of	ited	ted	me	atic	J.	np	in S	9	in	ze,	igat	E S	ını	tica	Skills	ssio	ong				
Course (CLO):	Learning	Outcomes	At the end of this	course, learners will be	able to:			Level	Expected	Expected	Fundamen	Application	Link with F	Procedural	Skills in	Ability to	Skills	Analyze,	Investigativ	Problem	Communi	Analytical	ICT S	Professional	Life Long				
CLO-1			-			70	Н	Н	М	Н	L	М	-	Н	-	Н	-	Н	М	-	Н								
CLO-2	CLO-2: Create, solve, interpret and apply basic mathematical models which are applicable in our day to day life		0	3	80	75	М	Н	М	Н	-	М	-	Н		Н	*	Н	М		Н								
CLO-3	Understand the concepts of mixtures and alligations, permutation and combinations, probability, time and work and to approach questions in a simpler and innovative method		/,	3	85	70	М	Н	М	Н	-	М	-	Н	-	Н	-	Н	М	-	Н								
CLO-4				_		80	М	_	М	Н	-	М	-	Н	-	Н		Н	Μ		Н								
	CLO-5: Ability to solve the p		-				-				M	_	M	H	-	M	-	Н	- Н	Н	-	Н	M	-	Н				
CLO-6	. Able to) tace different (competitive exams	5/				3	80	70	M	Н	IVI	П	-	IVI	-	Н	П	IVI	-	Н	М	-	Н				
Durati	Duration (hour) 9 9			9)																							
S-1	SLO-1	Classification	of numbers	Profit and Loss-Introde	uction	Permutation –Introduc Basics				Word problems on Line equations-Introduction					Number Puzzles														
0-1	SLO-2	Tests of divisibility Profit and Loss- Basic Problems Permutation – Problem				2012			Word problems on Line equations- Basic problems Number Puzzles - Problems				ns																
S-2	SLO-1	Unit digit		Statistics-Introduction		Combination-Introd Basics	uctio	on&		Syllogisms - Basics Number Puzzles - Problem			ms																

	SLO-2	Tailed zeroes	Statistics-Mean, Median, Mode	Combination- Problems	Syllogisms - Problems	Number Puzzles – Tricky Problems	
	SLO-1	Series Formulae	Averages-Introduction & Basics	Probability- Introduction &Basics	Word series - Introduction	Logical Puzzles	
S-3	SLO-2	Arithmetic Progression Geometric Progression	Averages- Problems	Probability- Basics	Word series – Problems	Logical Puzzles - Problems	
S-4	Talealest Common Measure		Averages- Problems	Probability- Problems	Number series - Introduction	Logical Puzzles –Problems	
	SLO-2	Least Common Multiples (LCM)	Averages-Tricky Problems	Probability- Tricky Problems	Number series - Problems	Logical Puzzles - Tricky Problems	
	SLO-1	HCF, LCM	Averages-Tricky Problems	Set Theory Introduction	Symbol Series - Introduction	Sequential output tracing- Basics	
S-5	SLO-2	HCF, LCM - Solving problems	Averages-Tricky Problems	Set Operation	Symbol Series - Problems	Sequential output tracing- Problems	
0.0	SLO-1	Simplification	Ratio – Basics and Formulas	Set - Problems	Direction Sense - Introduction	Sequential output tracing- Problems	
S-6	SLO-2	Simplification - Problems	Ratio - Problems	Set - Tricky Problems	Direction Sense - Problems	Sequential output tracing- Tricky Problems	
	SLO-1	Virnaculum	Proportions – Basics and Formulas	Time and work-Introduction	Blood relation-Introduction	Inductive, Logical, Abstract	
S-7	SLO-2	Virnaculum - Problems	Proportions - Problems	Time and work-Men and Work	Blood relation-Problems	Inductive, Logical, Abstract- Problems	
0.0	SLO-1	Logarithm –Introduction of log rules	Mixtures and Alligations- Introduction	Time and work - Problems	Coding – Decoding-Introduction	Diagrammatic Reasoning	
S-8 -	SLO-2	Logarithm – Problems	Mixtures and Alligations- Problems	Time and work - Tricky Problems	Coding – Decoding-Different types	Diagrammatic Reasoning- Problems	
S-9	SLO-1	Logarithm –Applications of log rules	Boats and Streams	Pipes &Cisterns- Introduction	Coding – Decoding - Problems	Spatial Reasoning	
	SLO-2	Logarithm Application – Problems	Boats and Streams- Problems	Pipes &Cisterns-Problems	Coding – Decoding – Tricky Problems	Spatial Reasoning- Problems	

Γ		1. Abhijit Guha, Quantitative Aptitude for Competitive Examinations, Tata McGraw 4. Edgar Thrope, Test Of Reasoning for Competitive Examinations, Tata McGraw Hill, 6th
		Hill, 5th Edition
l	earning	2. Dr. Agarwal R.S., Quantitative Aptitude for Competitive Examinations, S. Chand 5. Dinesh Khattar, The Pearson Guide to Quantitative Aptitude for competitive
F	Resources	and Company Limited, 2018 Edition examinations, Pearson, 3rd Edition
		3. Archana Ram, PlaceMentor: Tests of Aptitude for Placement Readiness, Oxford 6. P A Anand, Quantitative Aptitude for competitive examinations, Wiley publications,
		University Press, Oxford, 2018 e book, 2019

Learning Assessment									
Continuous Learning Assessment (100% weightage)									
Level	Bloom's Level of Thinking	CLA-1 (20%)	CLA-2 (20%)	CLA-3 (30%)	CLA-4 (30%) ##				
		Theory	Theory	Theory	Theory				
Lovel 1	Remember	100/	100/	200/	150/				
Level 1	Understand	10%	10%	30%	15%				
Level 2	Apply	E00/	500/	40%	50%				
Level 2	Analyze	50%	50%	40 %					
aval 2	Evaluate	400/	400/	200/	35%				
Level 3	Create	40%	40%	30%					
	Total	100 %	100 %	100 %	100 %				

[#] CLA-1, CLA-2 and CLA-3 can be from any combination of these: Online Aptitude Tests, Classroom Activities, Case Studies, Poster Presentations, Power-point Presentations, Mini Talks, Group Discussions, Mock interviews, etc.

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						
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1. Ajay Zener, Director, Career Launcher	2. Dr M Snehalatha, Assistant. Professor, CDC, E&T, SRMIST						