Co	Course 18PDM301L Course ANALYTICAL AND LOGICAL THINKING SKILLS C				ourse		М	Mandatory										L	T I	Р	С					
Code Name ANALTTICAL AND LOGICAL THINKING SKILLS				3 SKILLS	Ca	tegory	y	IVI	iviandatory											0	0	2	0			
	Pre-requisite Courses Nil Co-requisite Courses Nil							ogress		Nil																
Cours	e Offering	Department	Caree	er Development	Centre	Data Bo	ok / Codes/Standards		Nil																	
Course Learning Rationale (CLR): The purpose of learning this course is to:								L	_earni	ng					Prog	gram l	Learn	ing O	utcom	ies (P	LO)					
CLR-	CLR-1: Recapitulate fundamental mathematical concepts and skills								1	2	3	1	1 2	3	4	5	6	7	8	9	10	11	12	13	14	15
CLR-	2: Shai	pen logical reaso	ning through	skillful concept	ualization													Α								
CLR-	3: Enal	ole to solve proble	ems and to cr	rack competitiv	e exams.				~						뒫			bilit								
CLR-					s to solve types of p	oroblem			8	/ / /	t (%		dge	eut	Sec			aina		/ork		8				
CLR-	5: iden	tify problems		•					<u>B</u>	enc	nen		§ §	, ŭ		age	ao	ust		E		Finance	В			
CLR-			ge, skill and	aptitude to face	any competitive ex	camination			iş Ö,	ofici	aj.		<u>ج</u> ا ک	velc	sign	l s	Itar	∞8		Teal	ion	∞ŏ	ari			
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Course Learning Outcomes (CLO): At the end of this course, learners will be able to:					Level of Thinking (Bloom)	Expected Proficiency (%)	52 Expected Attainment (%)		T Engineering Knowledge	Design & Development	Analysis, Design, Research	Modern Tool Usage	Society & Culture	Environment & Sustainability	Ethics	Individual & Team Work	Communication	Project Mgt.	Life Long Learning	PS0 - 1	PS0 - 2	PSO - 3				
CLO-	CLO-1: build a strong base in the fundamental mathematical concepts						1	80	75		L H		M		- 0,			M	Ĺ		Н	_				
CLO-	2: Appl	y the learn conditi	ions towards	solving probler	ns analytically				1	80	75		L h		М					М	L		Н			
CLO-3: grasp the approaches and strategies to solve problems with speed and accuracy						2	80	75		L h		М					М	L		Н		_				
CLO-		ectively solve prob							2	80	75		L h		М					М	L		Н			_
CLO-5: solve problems						1	80	75		L h		М					М	Н		Н						
	CLO-6: gain appropriate skills to succeed in preliminary selection process for recruitment						3	80	75		L H		М					М	Н		Н					
Durat	on (hour)		6			6		6							6							6				
	SLO-1 Arithmetic Progression Clocks Time, Speed, Distance				•				Geometry - Triangles Data sufficiency Introduction						uction			_								
S-1 SLO-2 Solving Problems Solving Problems				Solving Problems																						
SLO 1 Coometrie Progressions Colondor				Calendar		Time, Speed, Distan	ce-Rac	es			Geomet							Data sufficiency Type 2						_		
				Solving Problems	00 7100	-	Solving Problems Solving Problems										_									
SLO 1 Averages				Ratio		Problems on Trains				Mensuration Area						Data Interpretation - Introduction					_					
S-3 SLO-1 Averages SLO-2 Solving Problems		Proportion Solving Problems					Solving Problems							Data Interpretation - Trable					_							
CLO 1 Weighted Averages Veriation			Boats & Streams								ation – Volume and Surface Area				Data Interpretation - Pie Chart					_						
<u> </u>		Solving Problems Solving Problems										Data Interpretation - Line Graphs														
	SLO-1							Trigonometry- Identities						Data Interpretation – Bar Graphs												
S-5			Solving Problems					Solving Problems							Solving Problems											
0.0	SLO-1	Functions			Allegation Method Pipes and Cisterns							Trigonometry - Height and Distances						Revision I								
S-6	SLO-2	Graphs			Solving Problems Solving Problems							Solving Problems						Revision II								
					, <u> </u>		, <u>y</u>																			
		1. Abhijit Gul	ha, Quantitat	tive Aptitude for	Competitive Exami	inations,Tata McGraw	Hill, 3 rd Edition, 2011	4. Ed	lgar Ti	hrope	, Tes	t of Reas	oning	or Co	mpetit	ve Ex	amina	ations	, Tata	McG	raw H	lill, 4th	Editi	on, 20)12	
Learn	0	2. Arun Shar	ma-Quantita	tive aptitude for	·CAT, Tata McGrav	v Hill							ementor, Oxford University Press,2018													
Reso	ii ces	Dinesh Kh	nattar-The Pe	earson Guide to	QUANTITATIVE A	PTITUDE for competit	ive examinations.	6. P.A	A.Ana	nd, Q	uantii	tative Ap	titude t	or Cor	npetiti	ve Ex	amina	tions.	. Wile	/ Pubi	licatio	n. 201	16			

Learning Assess	sment												
	Bloom's			Final Examination									
	Level of Thinking	CLA – 1 (20%)		CLA – 2 (30%)		CLA –	3 (30%)	CLA – 4	(20%)#	i iliai Examiliation			
	Level of Thirtking	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice	Theory	Practice		
Level 1	Remember		40%		30%		30%		30%				
Level I	Understand	-	- 40%		30%	-	30%	-	30%	-	-		
Level 2	Apply		40%		40%	_	40%	_	40%	_			
Level 2	Analyze	•	4070	-	4070	-	4070	-	4070	-	-		
Level 3	Evaluate	- 20%			30%	_	30%	_	30%				
Level 3	Create	-	2070	-	30%	-	30%	-	30%	-	-		
	Total	otal 100 %		100	100 %		0 %	100	0 %	-			

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

Course Designers		
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