				VPM's R VN BRIM	S, Thane				
		Third Se		ramme: MM ar Examinat		Februs	arv 2024		
Course Name:			emester Regular Examination January - FebruSecurity Analysis & Portfolio ManagementCourse Code				F306		
Roll No.			Marks				60		
Total No. of Questions			6 Duration				3 Hours		
		inted pages	3 Date				02.02.2024		
Course Ou	itcon	ne Statements	:		y Analysis and	Portfo			
CO3: MAI	KE U	SE OF formul	as and framew	orks related	Security Analys to securities ris	sk and r	eturn ana	lysis, capita	ıl
		ed income seco		decision the	ory, indexing a	ind ben	chmarkin	g, technical	
•			• •	cial results w	ith respect to ri	sk and	return, C	APM, Shar	be ratio.
					sis, Mutual Fu				
•		ant inferences							
		financial infor	mation related	to security a	nalysis for invo	estment	decision	making	[
Instruction							Marks	BL	CO
	.11 Qu	estions are Co							
Q. No.				iestions					
Q. 1		C	Case/Case-let Study (500-800 words)						
	a.	Founded du	ring the ear	·ly 1970s,	British Invest	tment		Level 4	CO4
					g annual inv				
				•	ears now. This	-			
					ortfolio manag				
					chief guest fo				
					r. Alan Shearen 'Chevron Ltd.'				
		-	and draw infe						
			nd Coefficient						
			Gary to handle		6				
		Shearer hands Gary a chit of paper where he has the							
		following information:							
		Economic	Probability	Returns	Returns				
l .		Condition		from	from				
1				Chevron (%)	Valero				
l		Good	0.4	30%	(%) 16%				
1		Neutral	0.4	8%	6%				
		Bad	0.2	-4%	2%				
			·	·					
	b.	As the event goes further another attendee Ms. Roy Howard,						Level 5	CO5
		-	to Compare						
		-	folio for her.						
			Howard is conf		6				
			the the second s						
		deducting the rentals of her living apartment and other living expenses, she's only able to save a small amount every							

		month. She likes to experiment with her investments and						1	
		describes her as a 'Risk T Asset Portfolio		Taker'.	aker'.				
		Class	1	1 01 (10110 2	3				
		Hedge Fund	-	40%	10%				
		Direct Equity	20%	40%	60%				
		Bonds	60%	10%	30%				
		Cash and	10%	5%	-				
		Equivalent							
		Insurance	10%	5%	-				
Q. 2		Answer Any one from the following.							
	a.			l advice based				Level 5	CO5
		technical indicator separately with a brief justification:							
			Indicator Value/Observation						
		RSI 29 MACD MACD Line Cute Signal Line							
		MACD	MACD MACD Line Cuts Signal Line and Goes Above						
		Aroon Up and Aroon Down is above Aroon Up Down					6		
			Parabolic SAR The Dots are appearing above the line						
		Bollinger Ba	and The	d The Price keeps touching the upper band.					
		Support Resistance	and The						
-	b.	Decide which	n of the fol	lowing 2 portfo	lios will have	higher		Level 5	CO5
		portfolio risk:							
			Portfolio A						
				%, correlation	coefficient = 0).8, W1	6		
			=0.4, W2=0.6						
		<u>Portfolio B</u> SD1= 12% and SD2 = 10%, Correlation coefficient = -0.5 , W1= 0.8 , W2= 0.2							
Q. 3		Answer Any one from the following.							
	a.		-	h security is better using Sharpe ratio,				Level 4	CO4
		Treynor ratio & M-squared measure (Only Compare HUL & Infosys)							
			HUL	Infosys	Nifty		6		
		E(R)	18%	15%	14%		0		
		SD	8%	6%	4%				
		Beta	1.2	0.8	1				
		Rf 6%							GOA
	b.	Analyse which of the following securities are overvalued						Level 4	CO4
		and undervalued by constructing SML:SecurityBetaAverage Return			, İ				
		Security	Beta 0.5	1 Aver 10 %	age Keturn				
		AB	1.5	10 %					
		С	1.3	8 %			6		
		D	2	16 %					
		Sensex (Ma		10 %					
		Portfolio)]			
		Assume Rf = 6%							

Q. 4		Answer Any two from the following.						
	a.	Calculate 'Free Float Market Cap' weighted Index and					Level 3	CO3
		'Price' Weighted Index based on the following data:SecurityNo.ofPricePromoter						
		Security	No. of	6				
			Instruments					
		A 20 2,000 60%						
		B C	50 15	250 580	75% 40%			
		D	30	1,150	40% 55%			
	b.		owing 2 questions:	1,150	5570		Level 3	CO3
	υ.		Hales purchased a	share of Mic	rosoft Inc. at			005
			and held it for 4 mon					
			ed a total dividend of					
		the share	s at Rs.62.20. Find H	6				
		,	has CAPM return a					
			5%, Return from Ma					
			s 60, what would be					
	-	stock and			Level 3	CO3		
	c.	Calculate Macaulay's Duration and Modified Duration of a bond with a face value of Rs.2,000, Yield =10% p.a.,					Level 5	COS
				6				
Q. 5		maturity=4 years & coupon rate = 12% p.a. Answer Any two from the following.						
	a.	Explain the concept of Multi-Factor Models with details					Level 2	CO2
		related Fama & French 5 Factor Model						001
	b.	Describe the following terms: i) Hybrid Mutual Funds and					Level 2	CO2
		ii) Relative valuation of equity shares						
	c.	Summarize the difference between Systematic Risk and					Level 2	CO2
		Unsystematic Risk						
Q. 6		Answer Any two from the following.						
	a.	Recall various types of Bonds					Level 1	CO1
	b.	What is Head and Shoulder Pattern?					Level 1	CO1
	c.	What is Efficient Market Hypothesis?					Level 1	CO1