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	FINANCIAL DERIVATIVES BRANCH(S): BA FM GM HPM ID MPA MPA (M S E) MAN (M PA (DT)													
	BRANCH(S): BA, FM, GM, HRM, IB, MBA, MBA (M & F), MM / MBA(PT) Time: 3 Hour													
					Max									
						de :	100							
Ans	wer (Question No.1 (Part-1)	whic	h is c	comp	ulsor	y, an	y eig	ht fro	m Pa	art-II a	and a	ny two	from Part-258
						Ш.								
The figures in the right hand margin indicate marks.														
Q1		Part-I Answer the following questions :												
GU	a)	What is counterparty ri		stion	S:									(2×10)
	b)	What is an Open interest												
	c)	What are ITM, ATM ar		M?										
	d)	What are covered option	on an	d nak	ced or	otion?	Expl	ain w	ith ex	ample	e.			
	e)	You saw the following	quote	e in D	erivat	ive M	arket.							
	,	"RIL(300),2500, Aug21	I, Cal	IAM	Rs15	"								
	f)	Explain what do you mean by that. What is hedging effectiveness?												
	g)	What is basis?	IVEITE	33!										
	h)	What is swap? What ty	pe o	f deriv	vative	instru	ımen	it is?						
	i)	What are the three diff	erent	style	s of C	ption	s? Ex	plain						
	j)	How is put buyer differ	ent fr	om sl	nort s	eller?								
						Part-							ş	
Q2		Only Focused-Short	Answ	ver Ty	ype Q	uesti	ons-	(Ans	wer	Any E	Eight	out o	of	(6×8)
	a)	Twelve)	n hot	1/0.00		4la a a a	4	e al essi.						
traded derivatives														
		Who are the participants in derivative market? Explain their roles.												
	c)	partie in a street to that their toles.												
	d)	The following data relate to the Futures Contract.												
		Gold Futures Contract size =100gms												
		Investor buys one Dec	embe	er Gol	d Futi	ures o	ontra	ct on	1 No	vemb	er at	Rs40	0 per	
		gram. Initial Margin is 10% and Maintenance Margin is 75% of initial margin.												
		Set up a Buver's Margi	in Acc	count	assu	mina	the cl	osina	nrice	ai ma	ngin. old /o	ım as	· Pe	
		Set up a Buyer's Margin Account assuming the closing price of Gold /gm as; Rs. 400, 403, 398, 390, 392, 387, 394, 401, 405 and 410 for next 10 consecutive									9			
		trading days.												
	c)	Also find the profit .			=									
	e)	What is intrinsic value	of a c	all op	tion?	How	is it c	alcula	ited?					
	f)	What is FRA? Explain												
	g)	Given the following dat possible?	a, tin	u at w	vnat fo	orwar	a rate	, will	there	be no	o arbi	trage	gain	
	258	Rs22/DM (SPOT), 6 m	onth	intere	st rate	es: R	2 11 5	5% ne	r ann	258 IUM 2	nd D	M 6 5	0/258	
		percent per annum	J. 1611		J. Tuli	J. 1 (, 10 pc	aril	uiii a	HU D	VI U.J	/0	

	258 i)	What do you mean by Fair price of a Forward contract? Calculate the Fair Price of a Forward Contract based on the following data: Current Price of Asset (S ₀) = Rs 5.00 lakhs. Risk free return is 5% per annum. Time to expiration (T) is 6 months. 258 258 268 KK is bearish about the share of DLF. He expects the price to fall to Rs50 from current market price of Rs200 in 3 months. He wants to sell the shares. Again he thinks, if it rises beyond Rs200, he might lose. He approaches a broker. Broker advises him to buy a Put option as follows: "DLF (1100) 180 June22, Put Am Rs25" Suppose May22 Spot Price of DLF is Rs90 and KK exercises his option, Will he gain? If yes, How much? Current Market Price of a stock is Rs100. Strike Price (X) 45° 115, t=12 months. Spot price may increase by 60% or decline by 20% of the current market price. Risk free rate is 10% per annum. Find the Call price and Put price. Explain the Straddle strategies. Write a note on Black-Scholes option pricing model.									
			Part-III								
Q3	258	Only Long Answer Typ Discuss the factors response			258 a.	(16)	258				
Q4		An investor has a portfoli				(16)					
Q+		Stocks	Value (Rs)	Beta		(10)					
		· Infosys	10,00,000	0.97							
		L&T	12,00,000	1.24							
	258	ICICI	258 8,00,000 258	1.52	258		258				
Q5	a) b)	Current NIFTY level is 16,000 and Nifty Futures lot is 15. Calculate the number of contracts required for hedging when Beta is 0.75 Explain the nature of Equity derivative instruments such as: Equity Index Futures and Equity stock Futures Equity Index Options and Equity Stock Options with clear examples.									
Q6	258	Explain Bull Spread an wherever necessary.	d bear spread withୀତାe	ear examples,5€Put neat	diagrams	(16)	258				
	258	258	258 25ô	258	258		258				
	258	258	258 258	258	258		258				