Registration No: **Total Number of Pages: 02** IMBA 16IMN802B 8th Semester Regular / Back Examination: 2021-22 FINANCIAL DERIVATIVES Branch(S): IMBA Time: 3 Hour Max Marks: 100 Q. Code: J056 Answer Question No.1 (Part-1) which is compulsory, any eight from Part-II and any two from Part-III. The figures in the right hand margin indicate marks. Part-I Q1 (2x10) Answer the following questions: a) What is a forward contract? What are the main limitations of a forward contract? b) What are options? C) A stock currently sells at Rs 120. The put option to sell the stock sells at Rs.134 costs Rs18. What is the time value of the option? On January 15, Mr. Arvind bought a January Nifty Futures contract at accost of Rs2,40,000 Each Nifty futures contract is for delivery of 100 Nifties. On 25th January, the index closed at 1460. How much profit /loss did he make? f) What is a swap? What is put-call parity? g) What are features of currency swaps? You saw the following quote in Derivative Market. "EIL(200),2000, Aug 21, Call EU Rs15" Explain what do you mean by that i) What do you mean by open interest? Part-II Q2 Only Focused-Short Answer Type Questions- (Answer Any Eight out of (6×8) Twelve) State the features of derivatives. Give the meaning of IN, OUT and AT the money. c) A call option at a strike price of Rs170 is selling at a premium of Rs15. At what share price on maturity will it break even for the buyer of the option? Will the writer of the option also break even at the same Price? If on a stock with a market price of Rs 270, a call option is purchased with a premium of Rs 29 and a strike price of Rs 270, What shall be the intrinsic value and Time value of the option? Bring out the distinction between over the counter derivatives and Exchange traded derivatives

f) Distinguish between forward and future contract.g) Explain Binomial Option Pricing model with an example.

	h) 258 i) j) k) l)	Calculate the fair forward Current price of the asse Risk free return = 5% per Time to expiration = 6 mc Explain the margin system How is a forward contract Discuss the assumptions What factors influence the	t = R\$5,00,000 r annum onths m with clear e t settled? of Black-Scho	xample.	25%	258		258
	258	258	258	Part-III	Zpě	258		258
Q3		Only Long Answer Type Who are the participants	e Questions (Answer Any			(16)	
Q4		Explain 5 factors driving	the growth of	derivatives in I	ndia.		(16)	
Q5	258		arket price pe s, the investro to Rs170 with 100 0.10 answer the foliate expected value.	r share of Rs. os expects the varying proba 110 0.25 llowing:	112, exercise price price of share to	e of Rs120. be in the 170 0.10 Dee?	(16)	258
				- 1 1 man 1	1 months?	258		258
	258	258 of shares	price prevails	at the end of 4	+ 1110111115420	230		200
Q6	258	Give a short description				2.00	(16)	250
Q6	258					258	(16)	258
Q6		Give a short description	on the FRA ar	nd IRF contrac	ets.	j	(16)	

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