Duration: 2 ½ Hours	Marks: 75
NOTE: - 1. All Questions are compulsory (15 marks each).	EEL SEL
2. Figures to the right indicate full marks.	
3. Use Simple calculator.	
3. Use Simple Calculator.	
Q.1. [A] Multiple Choice Questions: [Attempt any 8]	(8)
1 take high risk in trading with pure intention of making profits.	
a. Hedgers b. Arbitrageurs c. Speculators d. Market Makers	
2. The performance of derivatives depends on the movement in the prices of	6
a. Underlying assets b. Outstanding expenses c. Market Capitalisation of company	
d. Earning Per Share	
3. Future trade of Rice started 6000 years ago in	
a. India b. Japan c. China d. UK	
4 is the fixed quantity of contract traded in stock exchange.	A S
a. Margin b. Lot Size c. Mark to Market d. Call	
5. In contract, buyer gets the right to cancel contract in case of loss.	S. A.
a. Future b. Forward c. Options d. Swaps	
6. Basis is the difference between Spot price and price.	
a. Spot b. Market c. Future d. Contract	
7 option can be exercised any time before or on maturity.	E.
a. American b. European c. Bermudan d. Call	
8. Taking long position means to the contract.	
a. Buy b. Sell c. Write d. Short	
9 shows change in Volatility of option prices.	
a. Delta b. Gamma c. Vega d. Theta	
10 says that future and spot prices becomes same on the day of expiry.	
a. Convergence b. Basis c. Basis risk d. Cost of carry	
	(7)
Q.1. [B] Write whether statements are True or False: [Any 7]	(7)
1. Forward Contracts are traded in over the counter market.	
2. Future contracts have low liquidity in market.	
3. Time Value of option contract can never be negative.	
4. Option seller pays the premium to buyer. 5. Put contract gives right to buy the contract.	
 Put contract gives right to buy the contract. Full form of SPAN is Standard Portfolio Analysis of Risk. 	
7. More than one Beta shows high risk in the portfolio of investor.	
8. Standard Deviation measures the deviations between Current returns and expected ave	rage returns
9. NSCCL is a wholly owned subsidiary of NSE.	rage returns.
10. The Black –Scholes model is used to price European option contract.	
The Diagna Scholes model is used to price European option contract.	

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Paper / Subject Code: 43811 / Financial Derivatives

	aracteristics of deriv	zativa markat		
[R] Distinguish		alive market.		
וופווופווע נען	between future and	forward contract	t. 25	
	OR			
•	risks involved in de			
[D] What are the	e terminologies used	l in future tradin	g.	
[A] An investor	took two positions i	in future, which	are as follows:	
a) Sold 4 fu	ture contract of HD	FC Bank with a	lot size of 500 shar	res at Rs. 450 an
at expiry	it closed at Rs. 380.			
b) Bought:	5 future contract of S	SBI Bank with a	lot size of 1,000 s	hares at Rs. 650
and at ex	xpiry it closed at Rs.	590.		
	amount of Net Prof		th the positions.	(S)
[B] Write charac	cteristics of Forward	l Contract.		ST ST
	OR	ST.		8
	has taken a short po			
	ot size of 250 shares	7 0		or loss of Mr.
	e spot prices on expi	ry range in follo	wing form:	300
a) Rs. 1,			\$ 0	365
b) Rs. 2,				
	< 0			
c) Rs. 2,		7,00		
d) Rs. 2,	280			
d) Rs. 2,		premium?		18 High
d) Rs. 2, [D] Which all fa	280 actors affects option	337 337		The Arthur Arthur
d) Rs. 2, [D] Which all fa [A] Mr. Aditya	280 actors affects option bought a call contra	act of Tata Steel		
d) Rs. 2, [D] Which all fa [A] Mr. Aditya Premium of	280 actors affects option bought a call contraf Rs. 10. Calculate p	act of Tata Steel rofit or loss of o	f Mr. Aditya if pric	ce on the day of
d) Rs. 2, [D] Which all fa [A] Mr. Aditya Premium of expiry varia	280 actors affects option bought a call contra f Rs. 10. Calculate p ate in the range of Rs	act of Tata Steel rofit or loss of o	f Mr. Aditya if pric	ce on the day of
d) Rs. 2, [D] Which all fa [A] Mr. Aditya Premium of expiry varia Rs. 290, Rs	280 actors affects option bought a call contra f Rs. 10. Calculate pate in the range of Rs. 300.	rofit or loss of or s. 230, Rs. 240, I	f Mr. Aditya if pric Rs. 250, Rs. 260, R	ce on the day of as. 270, Rs. 280,
d) Rs. 2, [D] Which all fa [A] Mr. Aditya Premium of expiry varia Rs. 290, Rs [B] On 20 th Nov	280 actors affects option bought a call contra f Rs. 10. Calculate pate in the range of Rs. 300.	oct of Tata Steel or rofit or loss of or s. 230, Rs. 240, l	f Mr. Aditya if pric Rs. 250, Rs. 260, R s. 1,520. Miss Pooj	the on the day of the day. 270, Rs. 280, a is willing to
d) Rs. 2, [D] Which all fa [A] Mr. Aditya Premium of expiry varia Rs. 290, Rs [B] On 20 th Nov take up long	280 actors affects option bought a call contra f Rs. 10. Calculate p ate in the range of Rs. 300. The position in 2 months of the position in 2 months.	oct of Tata Steel rofit or loss of or s. 230, Rs. 240, lof ITC Ltd. is Rs. h option expiring	f Mr. Aditya if prid Rs. 250, Rs. 260, R s. 1,520. Miss Pooj g on 19 th January, 2	the on the day of as. 270, Rs. 280, a is willing to 2022. From the
d) Rs. 2, [D] Which all fa [A] Mr. Aditya Premium of expiry varia Rs. 290, Rs [B] On 20 th Nov take up long following d	280 actors affects option bought a call contra f Rs. 10. Calculate pate in the range of Rs. 300.	oct of Tata Steel rofit or loss of or s. 230, Rs. 240, lof ITC Ltd. is Rs. h option expiring	f Mr. Aditya if prid Rs. 250, Rs. 260, R s. 1,520. Miss Pooj g on 19 th January, 2	the on the day of as. 270, Rs. 280, a is willing to 2022. From the
d) Rs. 2, [D] Which all fa [A] Mr. Aditya Premium of expiry varia Rs. 290, Rs [B] On 20 th Nov take up long following d contract.	280 actors affects option bought a call contra f Rs. 10. Calculate p ate in the range of Rs. 300. vember, 2022, price g position in 2 montl ata calculate Intrinsi	rofit or loss of or s. 230, Rs. 240, l of ITC Ltd. is Re h option expiring ic Value, Time V	f Mr. Aditya if prices. 250, Rs. 260, Rs. 1,520. Miss Poojeg on 19 th January, 27 alue and Moneyne	the on the day of the as. 270, Rs. 280, as is willing to 2022. From the the ess of option
d) Rs. 2, [D] Which all fa [A] Mr. Aditya Premium of expiry varia Rs. 290, Rs [B] On 20 th Nov take up long following d	280 actors affects option bought a call contra f Rs. 10. Calculate p ate in the range of Rs. 300. vember, 2022, price g position in 2 mont ata calculate Intrinsi Call Strike Price	oct of Tata Steel rofit or loss of or s. 230, Rs. 240, lof ITC Ltd. is Reh option expiring ic Value, Time V	f Mr. Aditya if price Rs. 250, Rs. 260, Rs. 1,520. Miss Pooj g on 19 th January, 2 Value and Moneyne Put Strike Price	te on the day of as. 270, Rs. 280, a is willing to 2022. From the less of option Put Premium
d) Rs. 2, [D] Which all fa [A] Mr. Aditya Premium of expiry varia Rs. 290, Rs [B] On 20 th Nov take up long following d contract.	280 actors affects option bought a call contra f Rs. 10. Calculate p ate in the range of Rs. 300. yember, 2022, price g position in 2 montl ata calculate Intrinsi Call Strike Price 1570	rofit or loss of or s. 230, Rs. 240, l of ITC Ltd. is Re h option expiring ic Value, Time V	f Mr. Aditya if prices. 250, Rs. 260, Rs. 1,520. Miss Poojeg on 19 th January, 27 alue and Moneyne	the on the day of the as. 270, Rs. 280, as is willing to 2022. From the the ess of option
d) Rs. 2, [D] Which all fa [A] Mr. Aditya Premium of expiry varia Rs. 290, Rs [B] On 20 th Nov take up long following d contract. Sr. No.	280 actors affects option bought a call contra f Rs. 10. Calculate p ate in the range of Rs. 300. vember, 2022, price g position in 2 mont ata calculate Intrinsi Call Strike Price	oct of Tata Steel rofit or loss of or s. 230, Rs. 240, lof ITC Ltd. is Reh option expiring ic Value, Time V	f Mr. Aditya if price Rs. 250, Rs. 260, Rs. 1,520. Miss Pooj g on 19 th January, 2 Value and Moneyne Put Strike Price	te on the day of as. 270, Rs. 280, a is willing to 2022. From the less of option Put Premium

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Q.5. [A] Explain following terminologies: a) VaR b) Stop Loss Order c) Swap contract d) In The Money option [B] State the types of Margins in derivative trading. OR (15) Q.5. [C] Write Short Notes on [Attempt any 3] 1. Types of trade orders 2. Advantages of Future contract 3. Vega and Theta Option Greeks 4. Index Futures 5. Hedging

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