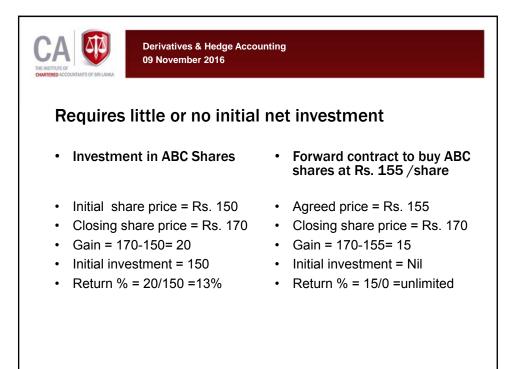


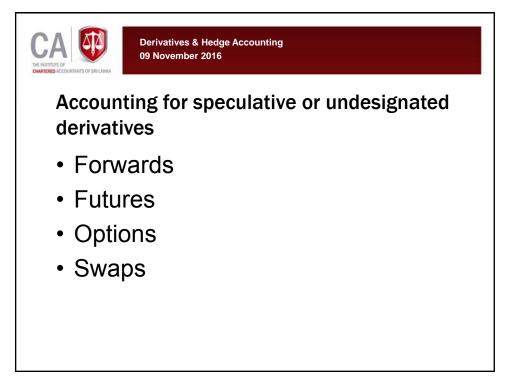


#### **Underlying variables**

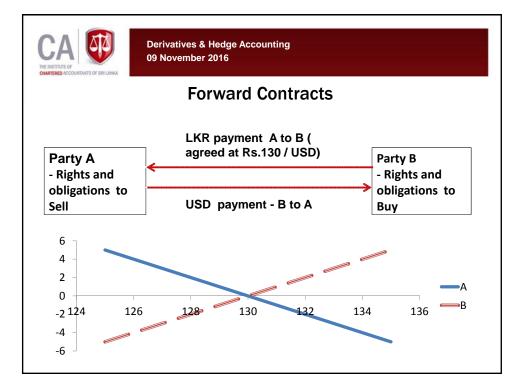
- The standard refers to the following examples of underlying variables, but this is not an exhaustive list:
  - specified interest rate;
  - financial instrument price;
  - commodity price;
  - foreign exchange rate;
  - index of prices or rates;
  - credit rating; and
  - credit index.

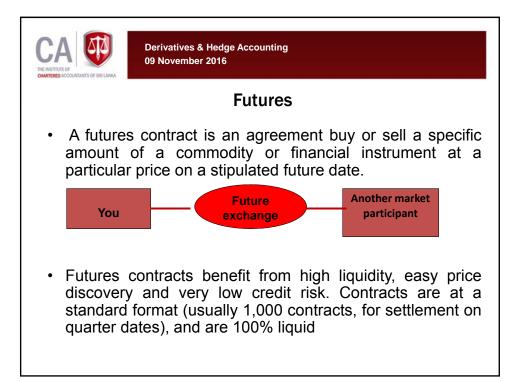
Derivatives & Hedge Accounting 09 November 2016			
Common derivative contracts and the identified underlying			
Type of contract	Main pricing-settlement variable (underlying variable)		
Interest rate swap	Interest rates		
Currency swap (foreign exchange swap)	Currency rates		
Commodity swap	Commodity prices		
Equity swap	Equity prices (equity of another entity)		
Credit swap	Credit rating, credit index or credit price		
Total return swap	Total fair value of the reference asset and interest rates		
Currency futures	Currency rates		
Commodity futures	Commodity prices		
Currency forward	Currency rates		
Commodity forward	Commodity prices		
Forward interest rate agreements	Interest rates		
Currency options	Currency rates		
Share options	Share price		











Derivatives & Hedge Act 09 November 2016	counting
Forwards	vs. Futures:
Forward Contracts	Futures Contracts
<ol> <li>Forwards are traded in over-the- counter markets and are less liquid compared to futures.</li> </ol>	1) Futures are exchange traded and are highly liquid.
<ol> <li>Forward contracts may be custom-designed for specific applications.</li> </ol>	<ol> <li>Futures are traded in standardized contracts (standard amounts, maturity, etc.).</li> </ol>
<ol> <li>Cash does not change hands until a forward contract is settled.</li> </ol>	<ol> <li>Cash is required for daily settlement.</li> </ol>
4) No margin requirements.	4) An upfront margin is required.
<ol> <li>Investors are exposed to counterparty credit risk.</li> </ol>	5) No counterparty credit risks.



# **Options**

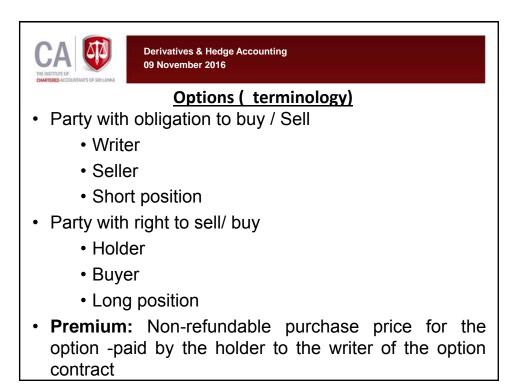
Put options vs. Call options

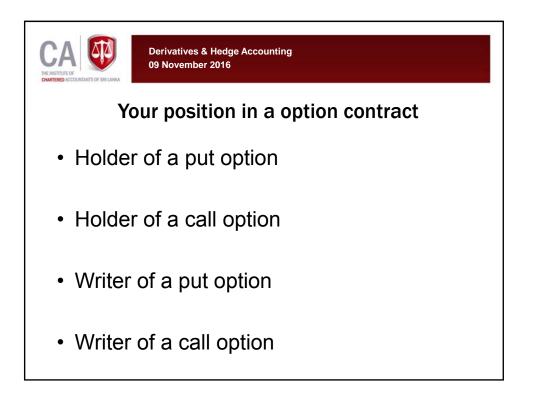
#### PUT Options:

Holder has the right, but not the obligation, to sell an asset to the option writer at a specified price "at any time"\* up to the stated expiration date of the contract

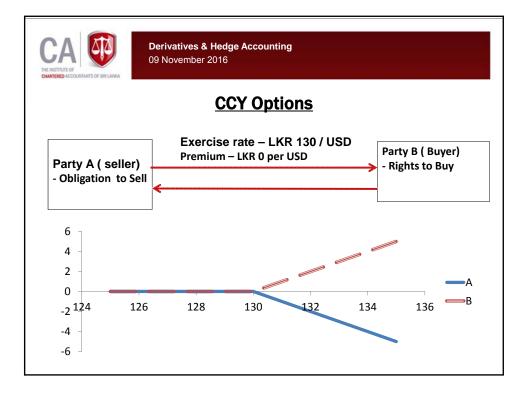
#### CALL Options:

Holder has the right, but not the obligation, to purchase an asset from the writer at a specified price "at any time"\* up to the stated expiration date of the contract







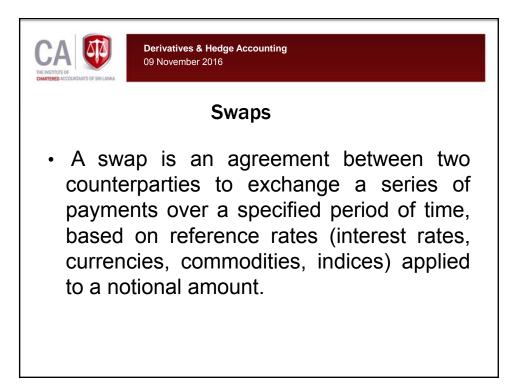


Derivatives & Hedge Accounting 23 December 2015 In the money , Out of the money and at the money (		
• ·	It of the money an LOO) Illustration or	• •
Market price	Call option	Put option
200	Deep in the money	Deep out of the money
120	In the money	Out of the money
100	At the money	At the money
80	Out of the money	In the money
10	Deep out of the money	Deep in the money



#### Accounting for options

Derivative Asset	Derivative Liability
Recognized in P&L	Recognized in P&L
Derivative asset	Derivative liability
Restricted to Zero	Restricted to Zero
F	Recognized in P&L Derivative asset

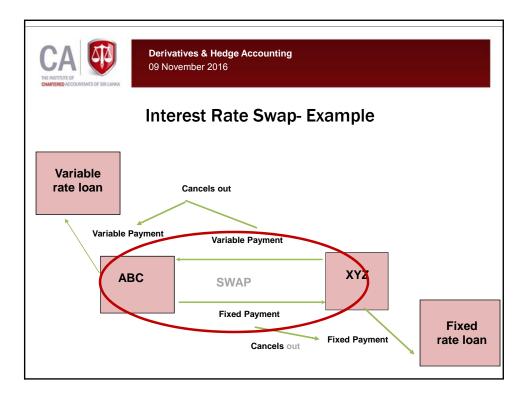


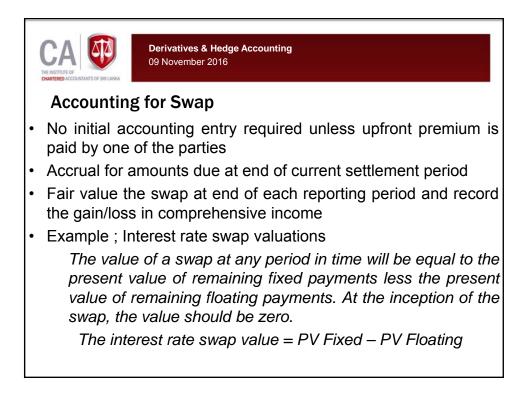


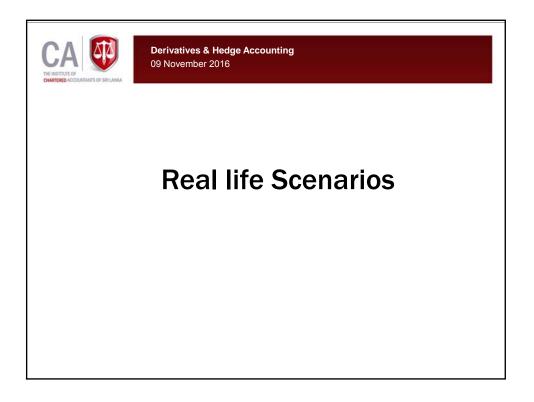
# Types of Swaps

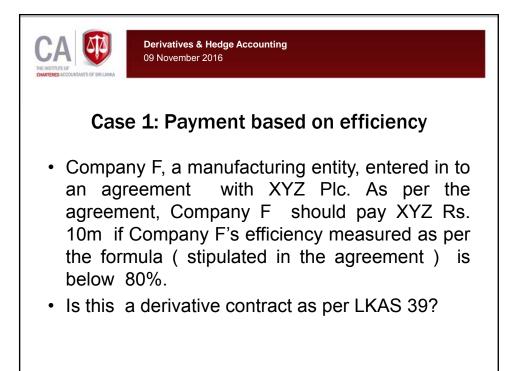
- Interest Rate Swap -Contractual agreement in which one party makes a fixed interest rate based on a notional and the other party makes a variable interest rate payment
- Currency Swap Contractual agreement between two parties to exchange two different currencies and then to reverse the exchange at a later date at a specified exchange rate
- Cross currency SWAP –Contractual agreement between two parties to exchange interest payments and principals denominated in two different currencies

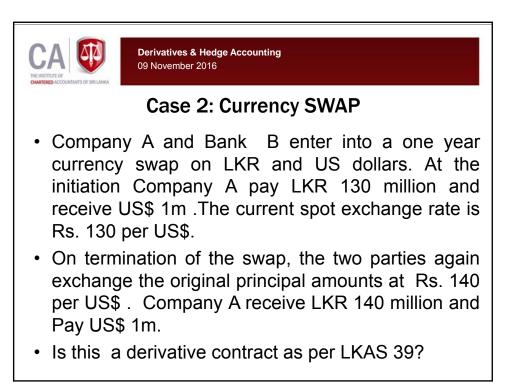


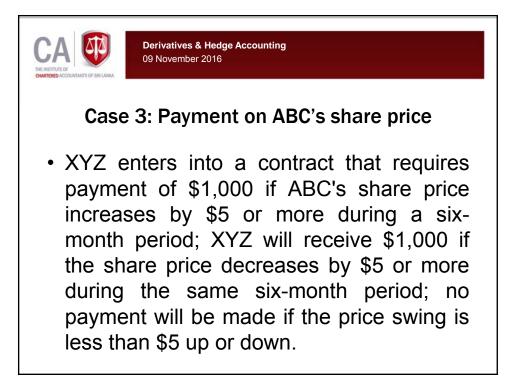








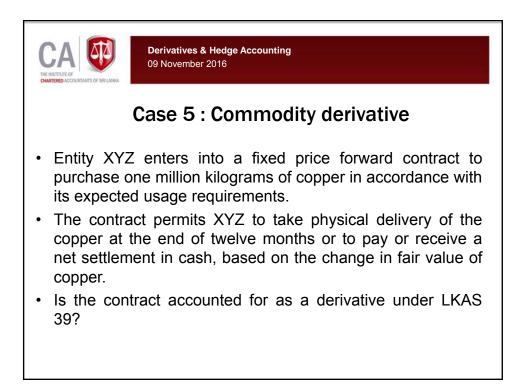


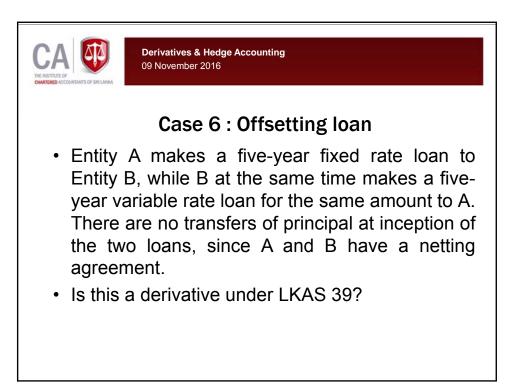


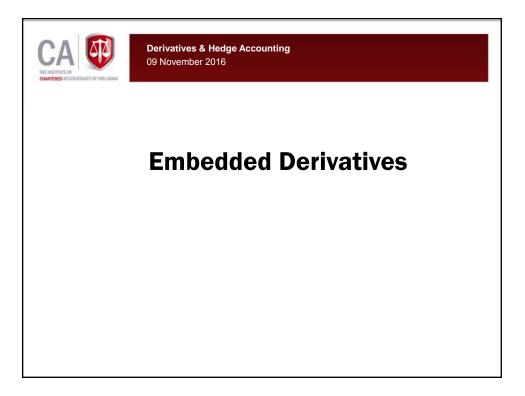


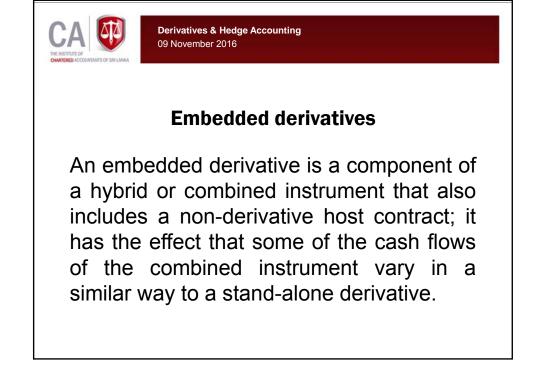
### Case 4 : Gross or Net

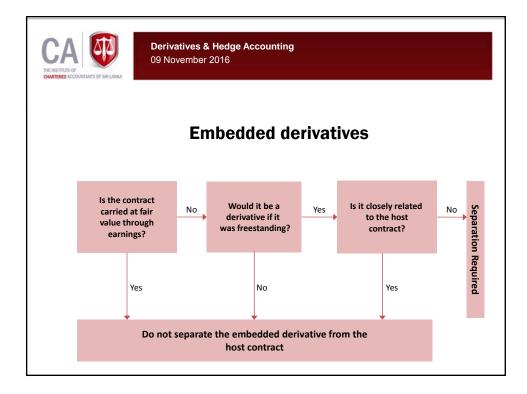
- Company ABC is considering entering into an interest rate swap with a counterparty, XYZ. The proposed terms are that ABC pays a fixed rate of 8% and receives a variable amount based on three month LIBOR, reset on a quarterly basis; the fixed and variable amounts are determined based on a €1,000 notional amount; ABC and XYZ do not exchange the notional amount and ABC pays or receives a net cash amount each quarter based on the difference between 8% and three month LIBOR.
  - Is this a derivative contract ?
- Alternatively, settlement may be on a gross basis. Will your determination change ?

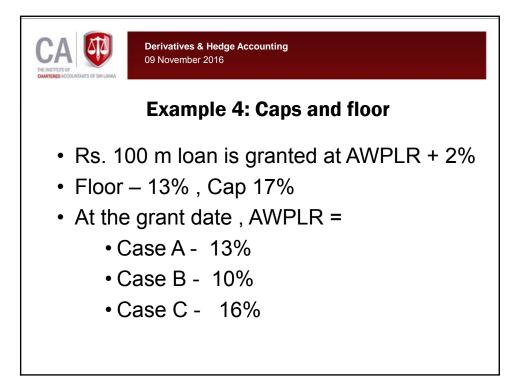


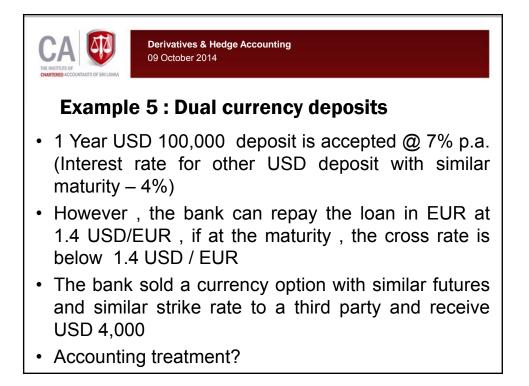


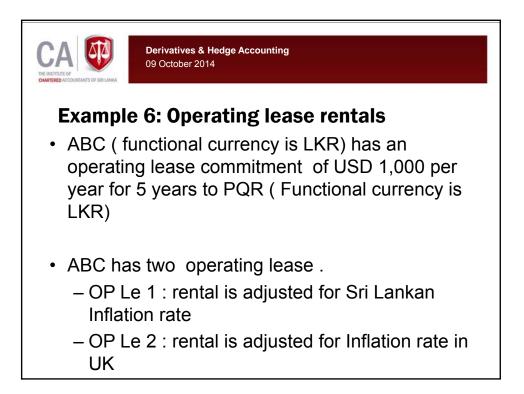


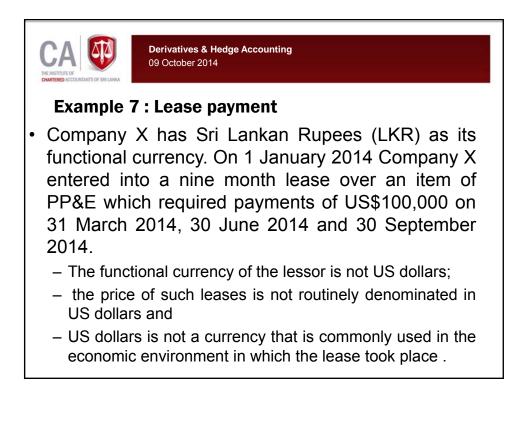


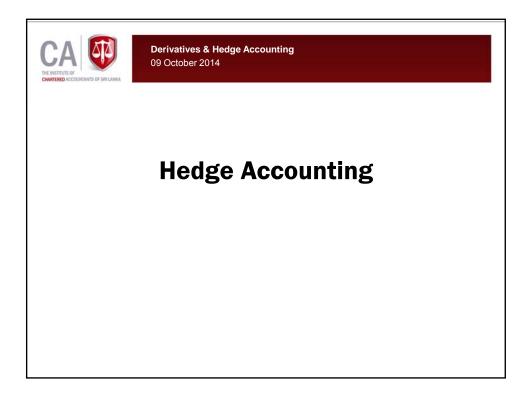










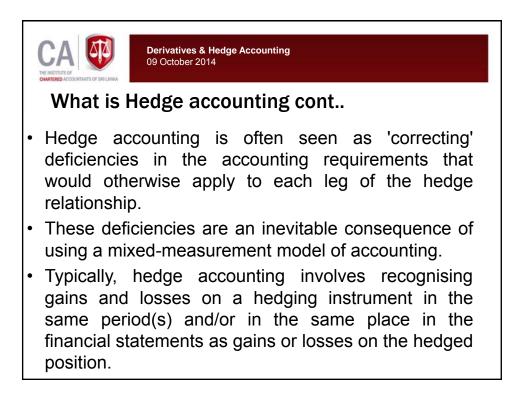


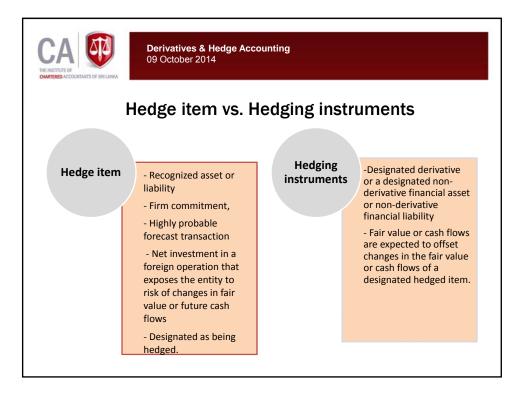


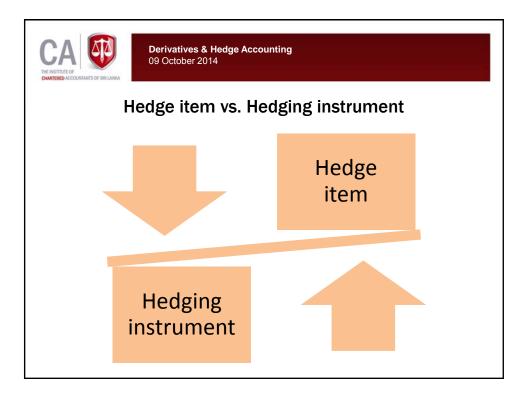


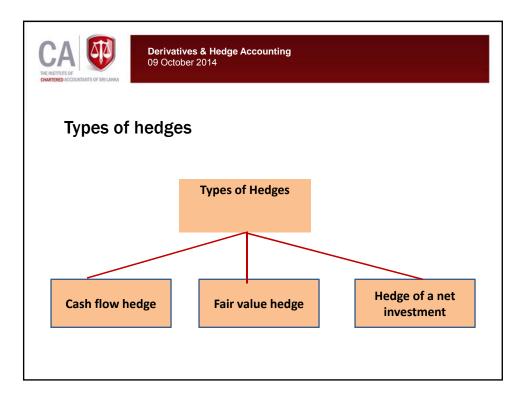
Hedge Accounting is a method of linking instruments or transactions whose changes in fair values or cash flows are expected to offset each other.

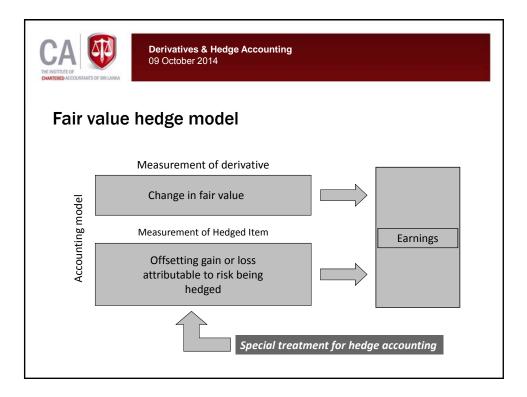
For example, if you are going to hedge the interest rate of a loan that you are holding by using an interest rate swap, you would link the two and account for and disclose them as one net transaction.













# Fair value hedge example

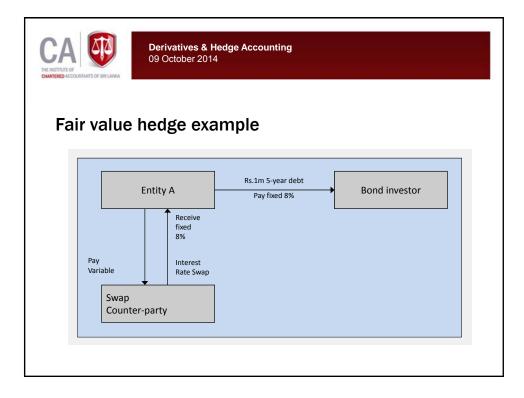
Entity A issues 1,000,000 of 5-year 8% fixed-rate bonds on January 2, 2001.

A fixed interest rate was offered to appeal to investors, but entity A is concerned that if market interest rates decline, the fair value of the liability will increase and the company will suffer an economic loss. To protect against the risk of loss, entity A decides to hedge the risk of a decline in interest rates by entering into a 5-year *interest rate swap* contract

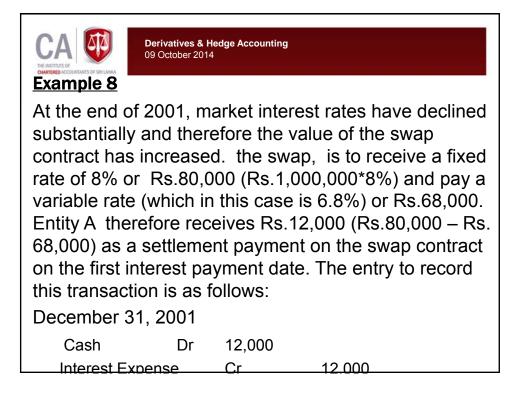
- The terms of the swap contract to entity A are:
- Entity A will receive fixed payments at 8% (based on the \$1,000,000 amount).
- Entity A will pay variable rates, based on the market rate in effect throughout the life of the swap contract. The variable rate at the inception of the contract is 6.8%
- The settlement dates for the swap correspond to the interest payment dates on the debt (December 31).

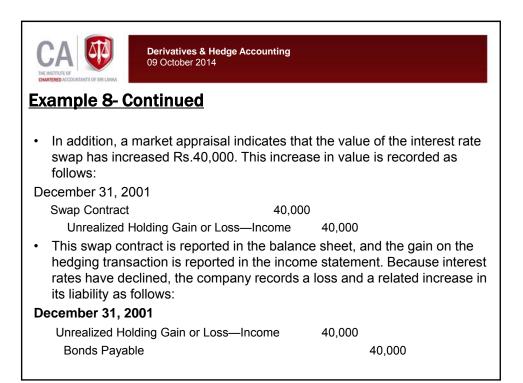
Required

How do you account for such transaction?



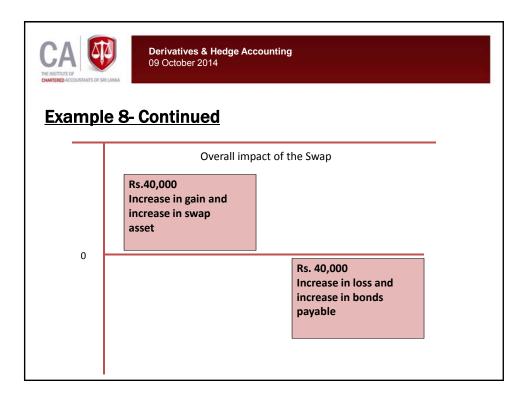
	Derivatives & Hedge Accounting 09 October 2014		
Example 8			
<ul> <li>2, 2001 (the swap a is necessar)</li> <li>At the end bonds is matrix</li> </ul>	he same date as the at this time has no ary. of 2001, the intere hade. The journal e h is as follows:	entered into on January e issuance of the debt), value; therefore no entry est payment on the entry to record this	
December 3	1, 2001		
Interest Expe	Interest Expense 80,000		
Cash (8% * F	Rs.1,000,000)	80,000	

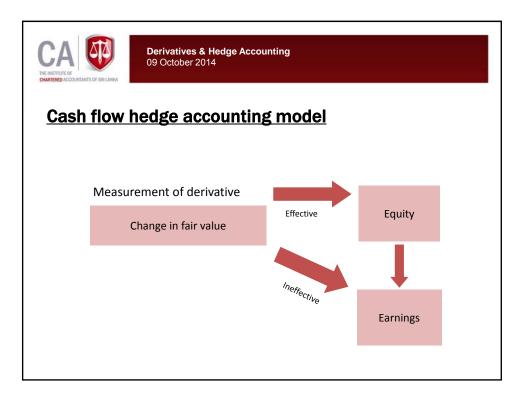




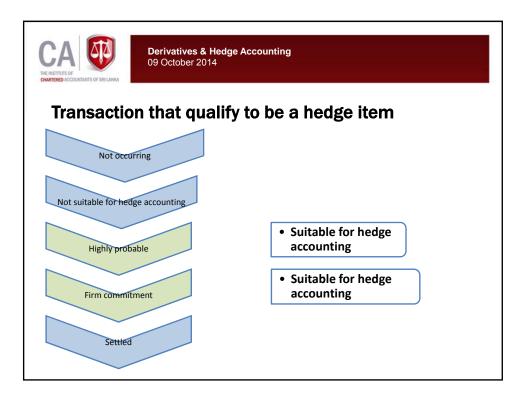
Derivatives & Hedge Accountin 09 October 2014	a		
Example 8- Continued			
<ul> <li>The loss on the hedging activity is reported in net income, and bonds payable in the balance sheet is adjusted to fair value</li> </ul>			
Balance sheet Presentation			
Entity A BALANCE SHEET (Partial) December 31, 2001			
Current assets	Rs.		
Swap contract	40,000		
<u>Liabilities</u>			
Bonds payable	1,040,000		

CHARTED	Derivatives & Hedge Accounting 09 October 2014		
<u>Ex</u>	ample 8- Continued		
	Entity A INCOME STATEMENT (Partial) For the Year Ended December 31	, 2001	
		Rs.	Rs.
	Interest Expenses (80,000- 68,000)		12,000
	Other income		
	Unrealized Holding Gain—Swap	40,000	
	Unrealized Holding Loss—Bonds Payable	(40,000)	
	Net gain/ (loss)		0

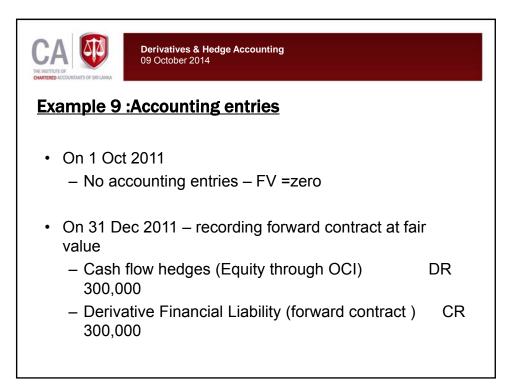


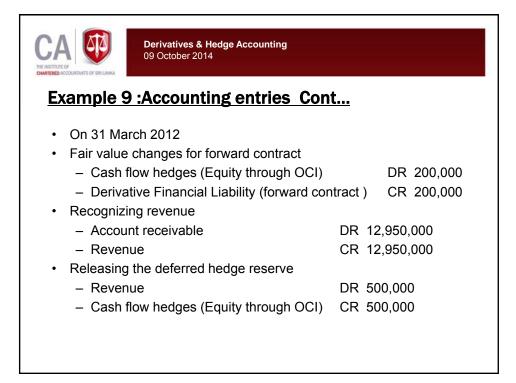




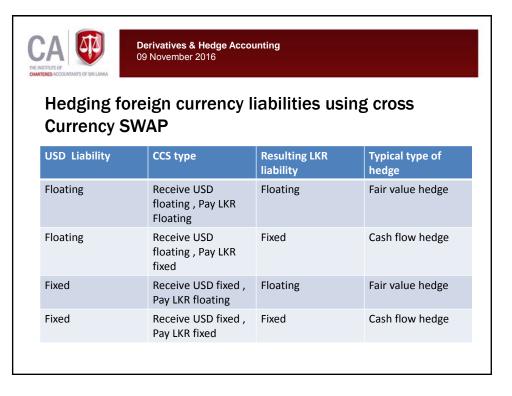


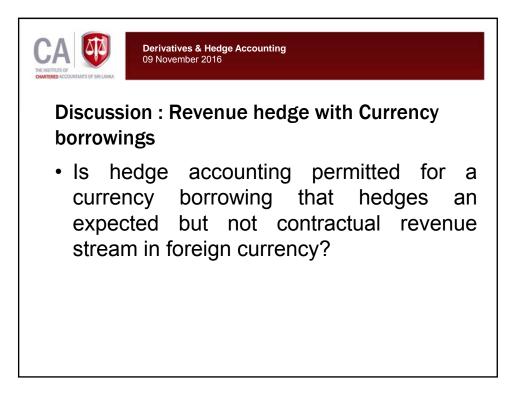
Derivatives & Hedge Accounting 09 October 2014			
•	rates and fair alue of mone		(ignoring
			Fair value of the
	Spot rate		forward contract
	•		
1-Oct-11	123.50	125.00	0
1-Oct-11 31-Dec-11	123.50 127.00	125.00 128.00	0 (300,000)
			Ű

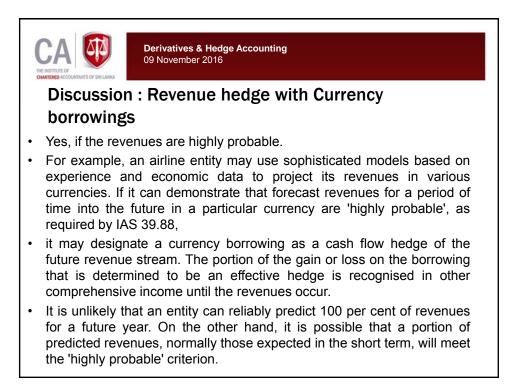


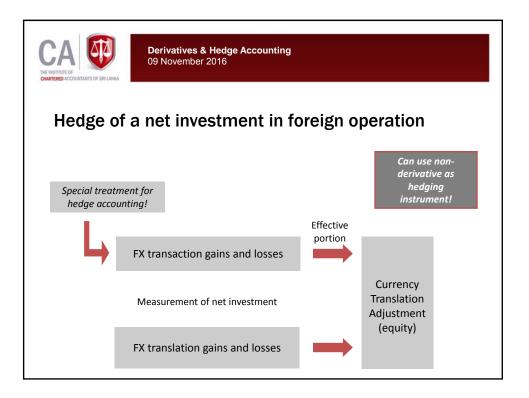


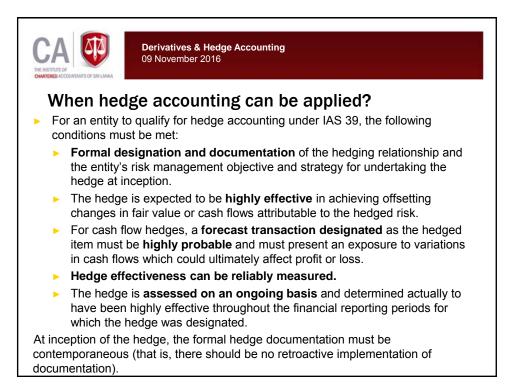
Derivatives & Hedge Accounting 09 November 2016	
Example 9 : Accounting entries Cont	
• On 30 June 2012	
<ul> <li>Foreign exchange gain on receivables</li> </ul>	
<ul> <li>Accounts receivables</li> </ul>	DR 250,000
<ul> <li>FX gains on receivables</li> </ul>	CR 250,000
<ul> <li>Fair value changes for forward contracts</li> </ul>	
<ul> <li>Loss on derivatives</li> </ul>	DR 200,000
<ul> <li>Derivative Financial Liability (forward contract )</li> </ul>	DR 200,000
<ul> <li>Settlement of the account receivable</li> </ul>	
– Cash	DR 12,500,000
<ul> <li>Derivative financial liability</li> </ul>	DR 700,000
<ul> <li>Account receivable</li> </ul>	CR 13,200,000

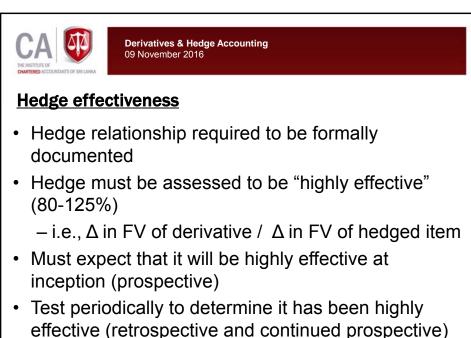


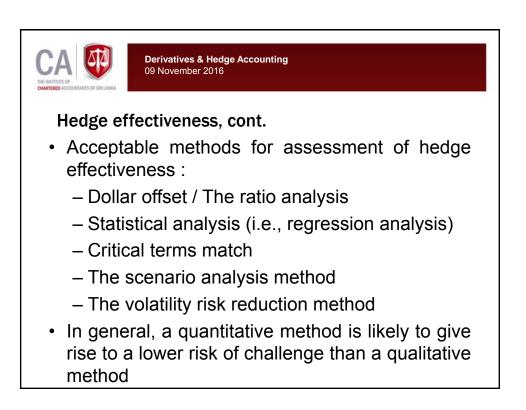


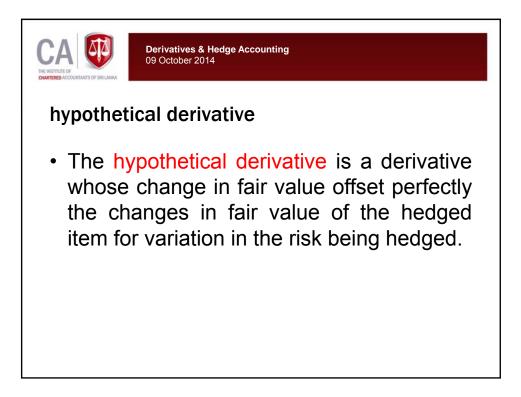


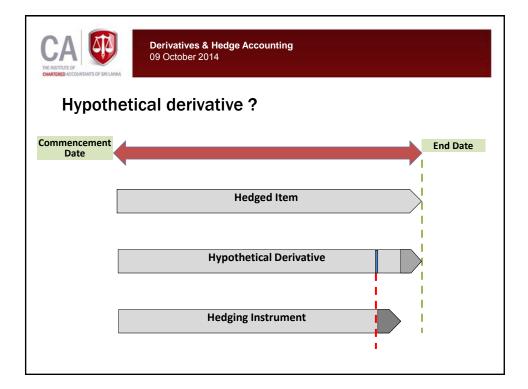


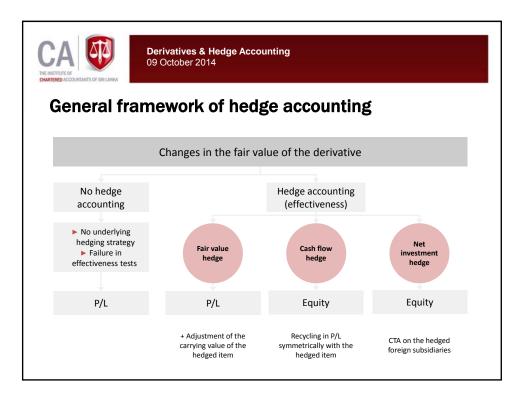




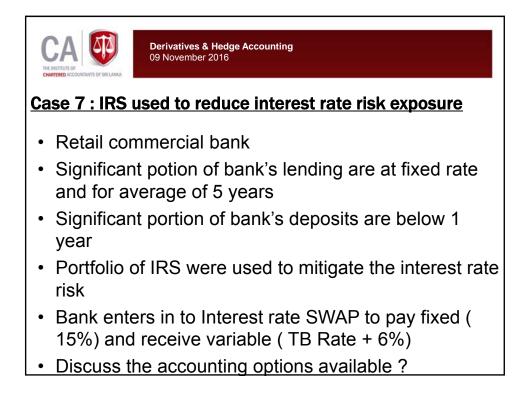








CA EVALUATE CONTINUES & Hedge Accounting 09 November 2016 Summary - Hedge accounting disclosures			
Disclosure Fair Cash Net value flow investment hedges hedges			
Description of hedged risk and hedging instrument with related fair values	х	x	x
When hedged cash flows are expected to occur		x	
Forecast transactions no longer expected to occur X			
Gain or loss recognized in equity and reclassifications to P&L			
Gain or loss from hedging instrument and hedged risk			
Ineffectiveness recognized in P&L X X			



CCA THE INSTITUTE OF COMPETEND ACCOUNTANTS OF SHE LAWAR	a Hedge Accounting 2016
PART OR ALL?	<ul> <li>De-recogntion</li> <li>▶ Setting the frame</li> <li>▶ Who is the entity?</li> </ul>
RIGHTS EXPIRED? Ves Ves Ves Ves Ves Ves	<ul> <li>What is the transferred asset?</li> <li>Transfer or pass-through of cash flows</li> <li>Have the contractual rights expired?</li> <li>Is there a transfer of rights to receive</li> </ul>
PASS-THROUGH? Ves TRANSFERRED ALL RISKS/REWARDS? No Don't Derecognize Derecognize Derecognize	<ul><li>payments?</li><li>Is there a qualifying pass-through of cash flows?</li></ul>
No     Yes     Don't Derecognize     No     No     No     No	<ul> <li>Risks and rewards</li> <li>Has the entity transferred substantially all risks and rewards?</li> </ul>
VO ETAINED CONTROL? Ves Derecognize EXCEPT FOR CONTINUING INVOLVEMENT	<ul> <li>Has the entity retained substantially all risks and rewards?</li> <li>Control and continuing involvement</li> <li>Has entity retained control of assets?</li> </ul>
	What is the continuing involvement?

