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I the instrument is an equity instrument if, and only if, both conditions (a) and (b) below are met.

- y The instrument includes no contractual obligation: to deliver cash or another financial asset to another entity;
 - or

to exchange financial assets or financial liabilities with another entity under conditions that are potentially unfavourable to the issuer









CALL OPTION – EXAM Market Price on 31 Mar FV?	/IPLE(rch – Rs. 120	CONTD)	
Call Option (Asset)	Dr	20,000	
Income	\mathbf{Cr}	20,000	
Income	Dr	300	
Call Option (Asset)	\mathbf{Cr}	300	

CA I Se I M	LL OPTION — EXAMPLE ettlement on 30 April arket Price remains at Rs. 1	C .20	ONTD	
	Cash	Dr	20,000	
	Expense	\mathbf{Cr}	100	
	Call Option (Asset)	\mathbf{Cr}	20,100	





INT] (erest Rate Swap – Ez Contd	XAMP	LE	
No No	te: No entry required when tered into	Swap	transactio	on
I Ho rat	wever, FV of swap increases te goes down and vice-versa	s as th	e interest	
Ma	urch 31:			
	Interest Expense	Dr	80,000	
	Cash (8% of 1,000,000)	\mathbf{Cr}	80,000	
	Cash (8%-6.8%	Dr	12,000	
	Interest Expense	\mathbf{Cr}	12,000	





Com	IMODITY FUTURES – E CONTD	XAMP	LE					
∣ Ma \$1,	rch 31: Price for April futur 575	re incre	eased to					
	Futures Contract	Dr	25,000		Blacker			
	Unrealised Gains (Reserves or Income??? Which Hedge???)Cr25,000							
Ap	ril: Say price remains same	•••			Star City and Star Street St.			
	Aluminum inventory	\mathbf{Dr}	1,575,000		The second second			
	Cash	\mathbf{Cr}	1,575,000		0.5322.600			
					01010000			
	Cash	Dr	25,000		22.275			
	Futures Contract (Settlement)	\mathbf{Cr}	25,000		いろうろくろくろう			
	Why is inventory at 1,5'	75,000?			Contraction of the second			



Year Cash Flow DF NPV 1 60,000 0.909 54,545 2 60,000 0.751 45,079 3 1,000,000 0.751 751,000 Total 900,211	Year Cash Flow DF NPV 1 60,000 0.909 54,545 2 60,000 0.751 45,079 3 1,000,000 0.751 751,000 Total 900,211					
Year 1000 Convertible debt Year 2 Market rate without conversion 10% Year Cash Flow DF NPV 1 60,000 0.909 54,545 2 60,000 0.826 49,587 3 60,000 0.751 45,079 3 1,000,000 0.751 751,000 Total 900,211	Rs.1million 6% convertible debt Repayable end year 3 Market rate without conversion 10% Year Cash Flow DF NPV 1 60,000 0.909 54,545 2 60,000 0.826 49,587 3 60,000 0.751 45,079 3 1,000,000 0.751 751,000 Total 900,211	COMPO)UND FI - I	EXAMPI	LE	
Year Cash Flow DF NPV 1 60,000 0.909 54,545 2 60,000 0.826 49,587 3 60,000 0.751 45,079 3 1,000,000 0.751 751,000 Total 900,211	Year Cash Flow DF NPV 1 60,000 0.909 54,545 2 60,000 0.826 49,587 3 60,000 0.751 45,079 3 1,000,000 0.751 751,000 Total 900,211	Rs.1m	illion 6% con	vertible	debt	
Year Cash Flow DF NPV 1 60,000 0.909 54,545 2 60,000 0.826 49,587 3 60,000 0.751 45,079 3 1,000,000 0.751 751,000 Total 900,211	Year Cash Flow DF NPV 1 60,000 0.909 54,545 2 60,000 0.826 49,587 3 60,000 0.751 45,079 3 1,000,000 0.751 751,000 Total 900,211	Repay	able end yea	r 3	. 100/	
YearCash FlowDFNPV160,0000.90954,545260,0000.82649,587360,0000.75145,07931,000,0000.751751,000Total900,211	YearCash FlowDFNPV160,0000.90954,545260,0000.82649,587360,0000.75145,07931,000,0000.751751,000Total900,211	Marke	et rate withou	it conver	sion 10%	
160,0000.90954,545260,0000.82649,587360,0000.75145,07931,000,0000.751751,000Total900,211	160,0000.90954,545260,0000.82649,587360,0000.75145,07931,000,0000.751751,000Total900,211	Year	Cash Flow	DF	NPV	
260,0000.82649,587360,0000.75145,07931,000,0000.751751,000Total900,211	260,0000.82649,587360,0000.75145,07931,000,0000.751751,000Total900,211	1	60,000	0.909	54,545	
3 60,000 0.751 45,079 3 1,000,000 0.751 751,000 Total 900,211	3 60,000 0.751 45,079 3 1,000,000 0.751 751,000 Total 900,211	2	60,000	0.826	49,587	
3 1,000,000 0.751 751,000 Total 900,211	3 1,000,000 0.751 751,000 Total 900,211	3	60,000	0.751	45,079	
Total 900,211	Total 900,211	3	1,000,000	0.751	751,000	
				Total	900,211	

Particulars	Debit	Credit
Cash	1,000,000	
Liability		900,211
Equity		99,789
Issue of convertible debt)		
nterest	90,021	
Liability		30,021
Cash		60,000
Finance charge year 1)		

Particulars	Debit	Credit
nterest	93,023	
Liability		33,023
Cash		60,000
Finance charge year 2)		
nterest	96,326	
Liability		36,326
Cash		60,000
Finance charge year 3)		



Instrument	Host Contract	Embedded Derivative
Debt Instrument onvertible bona	Dept instrument	Call option on equity
Callable Debt	Debt instrument	Prepayment Option
Lease payments indexed	to Operating lease	Payment determined with reference to inflation-related
environment		index
It is important to note that a derivative from a host contr accounting treatments in the in the above case if the lesson and the lease payments are do of the lessor's economic envi- separate the embedded deriva	although the require eact applies to both books of both the pa r and lessee are in d determined with refe vironment, only the tive	ment to separate an embedded the parties to a contract, the rties might differ. For example, ifferent economic environments rence to inflation-related index lessee would be required to

I	nstrum	ent		Host Contra	act	Embed	lded Deriv	ative
Operating foreign cur	lease rency	payable	in	Operating leas	se	Foreign denomina foreign contacts	ted rent pa exchange	currency syments– forward
Contingent related sal contract	rental es in ope	s based erating le	on ase	Operating leas	se	Continger	nt Rentals	
Executory Purchase/ foreign cur	sale o rencv	f goods	in	Purchase/ contract	sale	Foreign contract	exchange	forward
Purchase/ option to	sale of make	goods w payment	vith in	Purchase/ contract	sale	Option to alternativ	make pay e currencie	vment in es









- Apply IAS 32/39, or other applicable IFRSs if host is not a financial instrument
- | Measure the separated derivative at FVTPL
- If it is difficult to separate the embedded derivative or otherwise if the entity intends not to do so, apply FVTPL to entire contract

CASE STUDY

- An Indian company leases an aircraft from a Japan based company for 5 years. Monthly rentals of Euro 50,000 payable in arrears
 - y What is the host contract?
 - y Are there any derivatives embedded in it?
 - y Do the derivatives need to be separated?

SOLUTION What is the host contract? y Lease contract (not carried at fair value) Are there any derivatives embedded in it? y Yes, there are 60 embedded forward contracts to exchange Euro 50,000 for INR, which meet the definition of a derivative under IAS 39 Do the embedded derivatives need to be

- separated upon entering into the lease contract?
- y Yes, each of these embedded forward contracts is a derivative that is within the scope of IAS 39 and is not closely related to the host contract

EXAMPLES

- ABC Ltd. takes a loan with a bank. The contractually determined interest rate is calculated as [3 X LIBOR + 2]
- Here, had the interest rate been [LIBOR + 2], the embedded derivate would have been said to be closely related to the underlying LIBOR rate and hence not separable. However, since the rate of interest depends on a multiple of LIBOR (called 'leverage' effect), the embedded derivate shall be separated



QUESTION

- Which of the following contracts contain embedded derivatives that are required to be accounted for separately under IAS 39? Assume in all cases that the company is a UK company with a functional currency of Sterling.
- A company has entered into a contract with a supplier in Eurozone (functional currency of Euro) to purchase inventory (cars). The contract is denominated in US Dollars.
- A company has leased retail premises. As part of the lease agreement, the amount payable will increase at the rate of the UK retail price index each year.

SOLUTION

Yes. The host contract is viewed as a GBP purchase contract, with the embedded derivative operating as a GBP/USD forward contract. USD is not the functional currency of either of the two parties to the contract, and it not the currency in which cars are routinely denominated in commercial transactions round the world, nor is it a currency commonly used in contracts to buy and sell non financial items in the economic environment in which the transaction takes place (IAS 39.AG33d)ii) and iii)). Consequently the embedded derivative is not closely related to the host purchase contract and it is required to be accounted for separately.

SOLUTION

No. The host contract is the lease contract, with the embedded derivative being the indexation of lease payments to the retail price index. The embedded derivative does not result in the lease payments being leveraged, and the index relates to inflation in the entity's own economic environment. Consequently the embedded derivative is regarded as being closely related to the host lease contract and is not accounted for separately.

QUESTION

- FastCars Plc, a manufacturer of specialist sports cars, has issued preference shares with the following terms:
- | Mandatory redemption at par after 10 years
- Cumulative dividends of 5% of EBITDA per annum. If the company has insufficient distributable reserves to pay the preference dividend, the unpaid amounts are rolled up and attract a market rate of interest in addition to the 5% of EBITDA.
- How should FastCars Plc account for the preference shares?

SOLUTION

The EBITDA linked feature for coupons is not accounted for separately as an embedded derivative. This is because EBITDA is viewed as being a non financial variable which is specific to a party to the contract (in this case, the issuer). This means that it does not meet the definition of a derivative under IAS 39.9. Instead, at each period end the forecast cash flows arising from the instrument will be updated (in line with revised forecasts of EBITDA).

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