Exam Number/Code:310-008

Exam Name: ACI DEALING CERTIFICATE

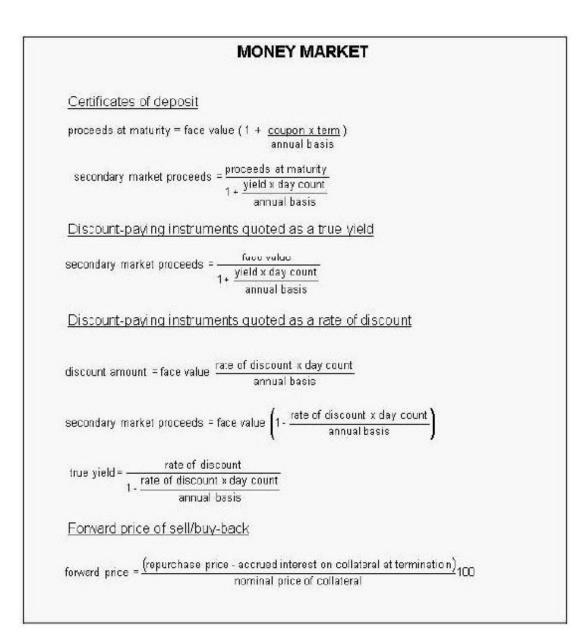
Version: Demo

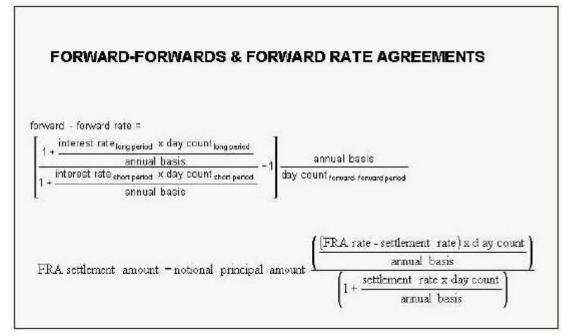
QUESTION 1

Click on the Exhibit Button to view the Formula Sheet.

How many USD would you have to invest at 3.5% to be repaid USD125 million (principal plus interest) in 30 days?

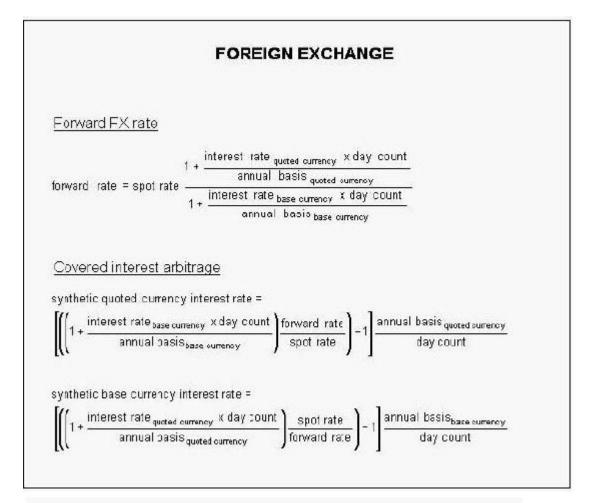
	NTEREST RATE CONVERSIONS
Converting between	n bond basis and money market basis (Act/360]
rate _{bondbasis} = rate _{money} i	market basis 365 360
rate _{money} m arket basis = rat	Bhand basis 360
Converting betweer	n annually and semi-annually compounding frequencies
-	n annually and semi-annually compounding frequencies (1 + ^{rate} _{semi-annually compounded}) ² - 1
$rate_{annually-compounded} = ($	





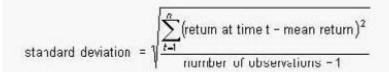
FIXED INCOME

Clean and dirty price of bond with annual coupons on coupon date price - $100\left[\left(\frac{\text{coupon}}{\text{yield}}\left(1-\frac{1}{(1+\text{yield})^{\text{remaining coupons}}}\right)\right]+\frac{1}{(1+\text{yield})^{\text{remaining coupons}}}$ Dirty price of bond with annual coupons dirty price = $\frac{\text{first cashflow}}{(1+\text{yield})^{\frac{\text{daystonext coupon}}{\text{annual basis}}}} + \frac{\text{second cashflow}}{(1+\text{yield})^{1+\frac{\text{daystonext coupon}}{\text{annual basis}}}} + \Delta + \frac{n^{\text{th}} \cosh \theta}{(1+\text{yield})^{\frac{1}{2}-1} + \frac{\text{daystonext coupon}}{\text{annual basis}}}$ Duration at issue or on a coupon date Macaulay Duration -(present value of first coupon amount x time to first coupon) + (present value of second coupon amount x time to second coupon) + ... +(present value of (last coupon amount + nominal amount) × time to last coupon) net present value of bond Macaulay Duration Modified Duration = 7 1 + yield compoundin g frequency Calculating zero-coupon yield from an annual yield-to-maturity (bootstrapping) zero - coupon yield for n - year term = [\n/implied present value of final coupon and nominal amount - 1]100 final coupon amount + nominal amount The implied present value of the final coupon and nominal amount is calculated by subtracting



OPTIONS

Standard deviation



Calculating the volatility over a period from annualised volatility

volatility over period t = annualised volatility \sqrt{t}

Where t is in years or fractions thereof.

- A. USD 124,641,442.43
- B. USD 124,636,476.94

- C. USD 124,635,416.67
- D. USD 123,915,737.30

Answer: B

QUESTION 2

Click on the Exhibit Button to view the Formula Sheet. What is the day count/annual basis convention for euroyen deposits?

A. Actual/365

- B. Actual/360
- C. Actual/actual
- D. 30E/360

Answer: B

QUESTION 3

Click on the Exhibit Button to view the Formula Sheet. Todays date is Thursday 12th December.

What is the spot value date?Assume no bank holidays.

- A. 14th December
- B. 15th December
- C. 16th December
- D. 17th December

Answer: C

QUESTION 4

Click on the Exhibit Button to view the Formula Sheet. EURIBOR is the:

- A. Daily fixing of EUR interbank deposit rates in the European market
- B. Daily fixing of EUR interbank deposit rates in the London market
- C. Another name for EUR LIBOR
- D. The ECBs official repo rate

Answer: A

QUESTION 5

Click on the Exhibit Button to view the Formula Sheet. Which of the following rates represents the highest investment yield in the euromarket?

- A. Semi-annual bond yield of 3.75 %
- B. Annual bond yield of 3.75 %
- C. Semi-annual money market yield of 3.75 %
- D. Annual money market rate of 3.75 %

Answer: C

QUESTION 6

Click on the Exhibit Button to view the Formula Sheet. Which of the following are transferable instruments?

- A. Eurocertificate of deposit
- B. US Treasury bill
- C. CP
- D. All of the above

Answer: D

QUESTION 7

Click on the Exhibit Button to view the Formula Sheet. Which of the following is always a secured instrument?

- A. ECP
- B. Repo
- C. Interbank deposit
- D. CD

Answer: B

QUESTION 8

Click on the Exhibit Button to view the Formula Sheet. Which of the following is sometimes called two-name paper?

- A. ECP
- B. BA or bank bill
- C. Treasury bill
- D. CD

Answer: B QUESTION 9 Click on the Exhibit Button to view the Formula Sheet. What usually happens to the collateral in a tri-party repo?

- A. It is put at the disposal of the buyer
- B. It is held by the seller in the name of the buyer
- C. It is held by the tri-party agent in the name of the buyer
- D. It is frozen in the sellers account with the tri-party agent

Answer: C

QUESTION 10

Click on the Exhibit Button to view the Formula Sheet. Which type of repo is the least risky for the buyer?

- A. Delivery repo
- B. HIC repo
- C. Tri-party repo
- D. There is no real difference

Answer: A

QUESTION 11

Click on the Exhibit Button to view the Formula Sheet.

A customer gives you GBP 25 million at 6.625% same day for 7 days. Through a broker you place the funds with a bank for the same period at 6.6875%. Brokerage is charged at 2 basis points per annum. What is the net profit or loss on the deal?

- A. Profit of GBP 299.66
- B. Profit of GBP 203.77
- C. Loss of GBP 299.66
- D. Loss of GBP 203.77

Answer: B

QUESTION 12

Click on the Exhibit Button to view the Formula Sheet.What are the secondary market proceeds of a CD with a face value of EUR 5 million and a coupon of 3% that was issued at par for 182 days and is now trading at 3%but with only 7 days remaining to maturity?

- A. EUR 4,997,085.03
- B. EUR 5,000,000.00
- C. EUR 5,071,086.45
- D. EUR 5,072,874.16

Answer: D

QUESTION 13

Click on the Exhibit Button to view the Formula Sheet. A CD with a face value of USD50 million and a coupon of 4.50% was issued at par for 90 days and is now trading at 4.50% with 30 days remaining to maturity. What has been the capital gain or loss since issue?

- A. +USD 373,599.00
- B. +USD 186,099.00
- C. -USD 1,400.99
- D. Nil

Answer: C

QUESTION 14

Click on the Exhibit Button to view the Formula Sheet. The tom/next GC repo rate forGerman government bonds is quoted to you at 1.75-80%. As collateral, you sell EUR10million nominal of the 5.25% bund July 2012, which is worth EUR 11,260,000, with no initial margin. The Repurchase Price is:

- A. EUR 10,000,500.00
- B. EUR 10,000,486.11
- C. EUR 11,260,563.00
- D. EUR 11,260,547.36

Answer: C

QUESTION 15

Click on the Exhibit Button to view the Formula Sheet. The one-month (31-day) GC reporter for French government bonds is quoted to you at 3.75-80%. As collateral, you are offered EUR25million nominal of the 5.5%OATApril 2006, which is worth EUR 28,137,500. If you impose an initial margin of 1%, the Repurchase Price is:

A. EUR 27,947,276.43

B. EUR 27,946,077.08

- C. EUR 27,950,071.43
- D. EUR 27,948,871.97

Answer: D