

CFA® 5. (B) 3.00 ATH/MOR. **Explanation** The ATH/MOR cross rate = $9.00 \text{ ATH/GBP} \times (1 / 1.50) \text{ GBP/USD} \times (1 / 2.00)$ USD/MOR = 3.00 ATH/MOR. (Module 19.1, LOS 19.a) (B) 0.6431. 6. Explanation The one year forward rate is $0.6243 \times (1 + 0.03016) = 0.6431$. (Module 19.1, LOS 19.b) 7. (B) 4.0000. **Explanation** Invert the first quote to read USD/GBP 0.5000. Then, $0.5000 \times 8.0000 = 4.0000$ MXN/GBP. (Module 19.1, LOS 19.a) 8. (A) 0.0227 PSG/TRT. Explanation The TRT/PSG cross rate is $5.5 \times 8.0 = 44$ TRT/PSG. Because the answer choices are quoted as PSG/TRT, we need to invert this result: 1 / 44 = 0.0227 CIGING EILER PSG/TRT. (Module 19.1, LOS 19.a)

(A) 0.1432. 9.

Explanation

The cross rate between USD and DKK is calculated in the following manner: (USD/JPY)(JPY/DKK) = (1 / 115.2200) × 16.4989 = USD/DKK 0.1432 (the Yen cancels out)

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(Module 19.1, LOS 19.a)

10. (A) 1.2761 USD/EUR.

Explanation

Each "point" is 0.0001. Thus, +12.4 points would add 0.00124 to the spot exchange rate:

1.2749 + 0.00124 = 1.27614.

(Module 19.1, LOS 19.b)

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11. (B) risk-free interest rates.

Explanation

Investing the domestic currency at the domestic interest rate should earn the same return as buying a foreign currency at the spot exchange rate, investing at the foreign interest rate, and selling the foreign currency proceeds at the forward exchange rate. If both currencies trade freely and participants can enter forward contracts, arbitrage trading will cause the percentage difference between the forward and spot exchange rates to be approximately equal to the difference between interest rates in the two countries.

(Module 19.1, LOS 19.b)

12. (C) premium of 110 points and the CAD is at a forward discount to the CHF. Explanation

Because the forward CAD/CHF exchange rate is higher than the spot rate, the quote is a forward premium. Forward points represent 0.0001 for an exchange rate quoted to four decimal places. Here, the forward discount is 1460 - 1350 = 110 points. The base currency, the CHF, is at a forward premium to the CAD, therefore the CAD is at a forward discount to the CHF.

(Module 19.1, LOS 19.b)

13. (B) 1.2481.

Explanation

The one year forward is 1.1132 + (1349/10,000) = 1.2481. (Module 19.1, LOS 19.b)

14. (B) greater than the G/H spot rate.

Explanation

 $\frac{\text{forwardJPY/GBP}}{\text{spotJPY/GBP}} = \frac{(1 + \text{interest rateJPY})}{(1 + \text{interestrateJPY})}$

If the interest rate in Country G is greater than the interest rate in Country H, the numerator is greater than the denominator on the right side of the equation. The left side must have the same relationship, so the forward rate must be greater than the spot rate.

(Module 19.1, LOS 19.b)

15. (C) 1.2029.

Explanation

The forward rate for CHF/EUR is $0.8342 \times (1 - 0.00353) = 0.8313$. The 1-year forward EUR/CHF exchange rate is 1 / 0.8313 = 1.2030.

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16. (B) 0.9850.

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Explanation

For an exchange rate quoted to four decimal places, forward points are expresse in units of 0.0001.

The 60-day forward rate is 0.9875 + 0.0001(-25) = 0.9850.

(Module 19.1, LOS 19.b)

17. (C) is less than spot MNO/PQR.

Explanation

Based on the no-arbitrage relationship between spot rates, forward rates, and interest rates, if the interest rate for the base currency is greater than the interest rate for the price currency, the forward exchange rate is less than the spot exchange rate.

(Module 19.1, LOS 19.b)

18. (C) 1.3333.

Explanation

For the Level I CFA exam, we quote foreign exchange rates as units of the price currency per one unit of the base currency. Here we are given MXN/USD = 8 and PLN/USD = 6, and we are asked to calculate MXN/PLN.

The cross-rate MXN/PLN = MXN/USD × USD/PLN, which equals $8 \times 1/6 = 1.3333$. (Module 19.1, LOS 19.a)

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19. (C) 1.7568.

Explanation

(USD/CHF 1.6250) / (USD/CAD 0.9250) = CAD/CHF 1.7568 (Module 19.1, LOS 19.a)

20. (A) Japan is less than in the Eurozone.

Explanation

If the quote is in terms of JPY per EUR, this implies that the JPY is expected to appreciate relative to the EUR. There will be no arbitrage opportunity only if the interest rate in Japan is lower than the interest rate in the Eurozone.

(Module 19.1, LOS 19.b)

21. (C) 0.6196.

Explanation

For currency cross rate calculations, the recommended approach is to set up the given rates such that cross-multiplying will result in the exchange rate the

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question is asking for. In this case, GBP/USD = GBP/CAD × CAD/USD. GBP/CAD = 1 / 2.5207 = 0.3967CAD/USD = 1 / 0.6403 = 1.5618GBP/USD = $0.3967 \times 1.5618 = 0.6196$ Alternatively, USD/CAD 0.6403 × CAD/GBP 2.5207 = USD/GBP 1.6140, and GBP/USD = 1 / 1.6140 = 0.6196. (Module 19.1, LOS 19.a)

22. (C) 1.2055.

Explanation

The 90-day forward CHF/EUR exchange rate is $1.2025 \times 1.0025 = 1.20551$. The EUR is at a forward premium to the CHF.

(Module 19.1, LOS 19.b

