#	Ans	#	Ans	#	Ans	#	Ans	#	Ans
1	b	51	a	101	d	151	b	201	d
2	a	52	d	102	a	152	b	202	d
3	c	53	c	103	b	153	a	203	b
4	a	54	a	104	c	154	b	204	c
5	c	55	b	105	d	155	d	205	c
6	c	56	c	106	d	156	b	206	b
7	b	57	d	107	c	157	d	207	d
8	c	58	d	108	b	158	a	208	a
9	a	59	b	109	b	159	b	209	d
10	c	60	b	110	c	160	d	210	c
11	a	61	c	111	a	161	d		
12	b	62	b	112	c	162	d		
13	b	63	a	113	c	163	d		
14	c	64	d	114	c	164	a		
15	a	65	c	115	a	165	d		
16	d	66	c	116	d	166	c		
17	d	67	a	117	b	167	d		
18	d	68	a	118	a	168	b		
19	c	69	a	119	d	169	d		
20	d	70	d	120	d	170	b		
21	c	71	d	121	c	171	b		
22	d	72	b	122	b	172	a		
23	b	73	b	123	c	173	c		
24	a	74	a	124	d	174	b		
25	a	75	d	125	b	175	c		
26	d	76	d	126	c	176	a		
27	c	77	b	127	a	177	a		
28	a	78	d	128	a	178	b		
29	a	79	c	129	c	179	d		
30	d	80	c	130	a	180	a		
31	a	81	c	131	c	181	c		
32	b	82	b	132	b	182	b		
33	c	83	a	133	a	183	c		
34	a	84	a	134	b	184	a		
35	c	85	d	135	a	185	a		
36	c	86	a	136	a	186	b		
37	b	87	c	137	a	187	b		
38	d	88	b	138	a	188	c		
39	c	89	b	139	c	189	d		
40	d	90	b	140	b	190	a		
41	b	91	c	141	d	191	a		
42	d	92	d	142	a	192	b		
43	b	93	c	143	d	193	c		
44	a	94	a	144	c	194	a		
45	d	95	d	145	b	195	b		
46	a	96	a	146	c	196	c		
47	b	97	b	147	d	197	c		
48	c	98	a	148	d	198	d		
49	d	99	a	149	a	199	b		
50	b	100	c	150	c	200	d		

Elaborations of calculations questions

21
The salesmen has still to buy GBP 4,000,000 at USD 1.5500 and the trader has to sell GBP 8,000,000 at 1.5200 whereas he had bought these at 1.5500.
Result: 8,000,000 x 0.0300= USD 240,000 loss

51
EUR 10,000,000 x 3/360 x 0.04 + EUR 10,000,000 x 1 = EUR 13,333

79
GBP 15 million x (1 + 31/365 x 0.0325) = GBP 15,041,404.11

87
CHF 15,000,000 x (1 + 3/360 x 0.0125) = CHF 15,001,562.50

88
20,000,000 (1 + 60/360 x 0.03) - 20,000,000 x 30/360 x (0.04-0.03) = 20,100,000 - 16,667 = 20,083,333

89
29,275 / 5,000,000 x 360/91 = 0.0232

90
4.20% + 10/30 x (4.50% - 4.20%) = 4.30%

91
2.60% + 20/30 x (2.90% - 2.60%) = 2.80%

92
20,000,000 / (1 + 60/360 x 0.035) = 19,884,009.94

93
20,000,000/ (1 + 120/360 x 0.017) = 19,887,305.27

109
The accrued interest is paid until the moment that the bond is traded.

117
EUR 10,000,000 / (1 + 90/360 x 0.032) = EUR 9,920,634.92

118

USD 5,000,000 x (1 - 90/360 x 0.04) = USD 4,950,000

119

GBP 10,000,000 / (1 + 90/365 x 0.035) = GBP 9,914,437.05

120

On the sale of a CD, the seller usually receives a price higher than originally paid. This is because of the accrued interest. However, this positive income will be set-off by a market loss of the current market yield is higher than the coupon rate of the CD. The net effect can be a loss.

121

Commercial paper is traded at the present value of the face value. If the currency yield (which is used as discount rate) is positive, then the present value is always lower than the face value.

121

10,000,000 / (1 + 180/360 x 0.016) = EUR 9,920,634.92

123

10,000,000 x (1 - 60/360 x 0.06) = USD 9,900,000.00

124

Final proceeds are 10,000,000 x (1 + 90/360 x 0.04) = EUR 10,100,000.00

125

10,000,000 / (1 + 180/360 x 0.0175) = 9,913,258.98

126

100,000,000 x (1 + 90/360 x 0.005) / (1 + 60/360 x 0.0025) = JPY 100,083,298.63

127

5,000,000 x (1 - 90/360 x 0.004) = USD 4,950,000.00

128

10,000,000 x (1 - 90/360 x 0.025)= USD 9,937,500.00

133

727,500,000 / 5,000,000 = 145.50

134

15,000,000.00 x 1.2950 = 19,425,000.00

135

You have bought 10M EUR at 1.3650 that you sell at 1.3638. Your loss is 10,000,000 x (1.3650 - 1.3638) = USD12,000

137

You have sold EUR 10 million against GBP at 0.6712 that you now can buy at 0.6729. Your loss is 10,000,000 x (0.6712 - 0.6729) = GBP 17,000

138

Buy 4, sell 5, buy 3 = long 2
Average rate = (4 x 1.452 - 5 x 1.4474 + 3 x 1.4321) / (4 - 5 + 3) = 1.4203

139

Position: + 4 - 5 - (3,982,500/1.3275) + 9,326,100 / 1.3323) = 4 - 5 - 3 + 7 = 3 long
Average rate: (4 x 1.32345 - 5 x 1.3308 - 3 x 1.3275 + 7 x 1.3323) / 3 = 1.3292

144

He has bought 20M EUR in the first leg and sold 20M EUR in the second leg. In return he expects 20M x 0.8890 = 17,780,000 in the far leg

145

- (50,000,000 / 32.50) + (50,000,000 / 34.00) = -USD 67,873,30
You did not have to calculate at all. After all, in the NDF you sold USD and the rate went up. This means that you made a loss and further you know that NDFs are always settled USD or EUR.

156

(EUR 10,000,000 x (0.0470 - 0.0450) x 91/360) / (1 + 01/360 x 0.0470) = EUR 4,996.20 to be paid by the bank

157

40,000,000 x (0.0365 - 0.0375) x 90/360) / (1 + 90/360 x 0.0365) = 9,909.58