BBA in TM, 8th Semester

Date: May 17, 2024

ISLAMIC UNIVERSITY OF TECHNOLOGY (IUT) ORGANISATION OF ISLAMIC COOPERATION (OIC)

DEPARTMENT OF BUSINESS AND TECHNOLOGY MANAGEMENT

ester, A. Y. 2022-2023
: 3 Hours

Answer all 6 (six) questions. All questions carry equal marks. Marks in the margin indicate full marks. Do not write on this question paper.

- 1. a) Deck Co is 3125. ftm with a Chinese subsidiary that produces cell phones 16 (CO2), in China and sells them in Japan. This subsidiary pays its wages and its rore in Chinese year, which is subsidier tables to the dolls. The Coll phones sold to Japan are dominiated in Japanese yen. Assume that Decko Co. expects that the Chinese year will continue to sub eagainst the dolls. The subsidiary's main goal is to generate profits for itself and critices the profits. It does not phan to remain synthese to be 12. Speced.
 - Assume that the Japanese yen strengthens against the U.S. dollar over time. How would this be expected to affect the profits earned by the Chinese subsidiary?
 - If Decko Co. had established its subsidiary in Tokyo, Japan, instead of China, would its subsidiary's profits be more exposed or less exposed to exchange rate risk?
 - Why do you think that Decko Co. established the subsidiary in China instead of Japan? Assume no major country risk barriers.
 - If the Chinese subsidiary needs to borrow money to finance its expansion and wants to reduce its exchange rate risk, should it borrow U.S. dollars, Chinese yuan, or Japanese yen?
 - b) Why would foreign governments provide MNCs with incentives to undertake 09 (CO1) DFI there? Should Bangladesh follow same strategy? Why? Why not? (PO1)
- 2. a) Assume the following information:
 - The sport nut of the Canadian dollar is \$80; the 90-day forward runs of the Canadian dollar is \$70; the 90-day Canadia interest runs is role to 90-day (PO3) U.S. Interest rute is 2.5%. Given this information, what would be the yield percentage return) to U.S. Iwaves to build only bound or work interest (Assume the investor invests §1 million.) What market forces would occur to eliminate any further probabilities of covered interest athrange.
 - b) Compare and contrast forward and future contracts

07 (COI) (POI)

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c) When should a speculator purchase a call option on Canadian dollars? When 08 (CO1) should a speculator purchase a put option on Canadian dollars? (PO1)

2	a)			10	(CO3)
			Quoted Price	(P	(PO3)
		Value of Canadian dollar in U.S. dollars	\$.90		
		Value of New Zealand dollar in U.S. dollars	\$.30		
		Value of Canadian dollar in New Zealand dollars	NZ\$3.02		

Given this information, is triangular arbitrage possible? If so, explain the steps that would reflect triangular arbitrage, and compute the profit from this strategy if you had \$1 million to use. What market forces would occur to eliminate any further possibilities of triangular arbitrage?

- b) Explain the market-based technique for forecasting exchange rates. What is the 15 (CO2) rationale for using market-based forecasts? If the eart appreciates substantially (PO2) against the dollar during a specific period, would market based forecasts have overestimated or underestimated the realized values over this period? Explain.
- a) Explain how governments can use direct and indirect intervention to influence 12 (CO2) exchange rates? (PO2)
 - b) Examine the differences between fixed, freely floating, and managed float 13 (CO1) exchange rate systems. Discuss the pros and cons of a freely floating exchange rate system in comparison to a fixed exchange rate system.
- a) Why do you think most crises in countries (such as the Bangladesh and 09 (CO2) Pakistan) cause the local currency to weaken abruptly? Is it because of trade or capital flows?
 - b) Blue Demon Bank expects that the Mexican peso will depreciate against the 16 (CO3) dollar from its spot rate of \$1.5 to \$.14 in 10 days. The following interbank (PO3) lending and berrowing rates exist:

Currency	Lending Rate	Borrowing Rate
U.S dollar	8.0%	8.3%
Mexican peso	8.5%	8.7%

Assume that Blue Demon Bank has a borrowing capacity of either \$10 million or 70 million pesos in the interbank market, depending on which currency it wants to borrow.

- How could Blue Demon Bank attempt to capitalize on its expectations without using deposited funds? Estimate the profits that could be generated from this strategy.
- ii) Assume all the preceding information with this exception: Blue Demon Bank expects the peso to appreciate from its present spot rate of 5.15 to 5.17 in 30 days. How could its attempt to capitalize on its expectations without using deposited funds? Estimate the profits that could be generated from this strateary.
- 6 a) Describe in general terms how future appreciation of the euro will likely affect 09 (CO2) the value (from the patter's perspective) of a project established in Germany today by U.S. based MNC, Will the estisivity of the project value be affected by the precentage of earnings reminted to the parent each year? Repeat this question, but assume the future depreciation of the quest.
 - b) Brown, Inc., just constructed an annufacturing plant in Chana. The construction cost 9 billion Malania cell. Hower intradic to leave the plan cost or 15 years. During the 3 years of operation, cedi cath flows are expected to be 3 billion cell, reportively, operating cath flows will be an expect that the start year the start para deta reminited back to the parent at the end of reads. Billion cell, reportively, operating cath flows will be an expected to the 3 billion cell, reportively, operating cath flow will be an expected to the plant plant for 5 billion cell to bey one U.S. doilar, and the cell is speeded to depressing by percent processing the plant plant plant. The processing the processing the plant plant
 - Determine the NPV for this project. Should Brower build the plant?
 How would your answer change if the value of the cedi was expected to remain unchanged from its current value of 8,700 cedi per U.S. dollar over the course of the 3 years? Should Brower construct the

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