PG – 508

IV Semester M.Com. Examination, June/July 2018
(CBCS)
COMMERCE
FB 4.2 : FOREX Management

Time : 3 Hours Max. Marks : 70

SECTION – A

Answer **any seven** questions out of ten. **Each** question carries **two** marks. **(7×2=14)**

1. a) Explain Economic Exposure.
   b) Explain Balance of Visible Trade.
   c) Write a note on vehicle currency.
   d) Devaluation and revaluation of currency.
   e) What is capital account convertibility ?
   f) Which institution can cover political risk of project ? How ?
   g) Differentiate between Bulls and Bears in foreign exchange market.
   h) Find the cross rate of Swiss Francs in India, given that
      YEN/IND : 107.07/108.32
      SFR/YEN : 76.62/77.03
   i) Spot GBP/USD = 1.55/59; 3-M Swap points = 70/60. Determine the forward quotes.
   j) If exchange rate at the end of 2015 – 2016 USD/CHF = 0.7520. If inflation in US is 3.5% and in Swiss it is 8.5%. Calculate the expected exchange rate after two year.

SECTION – B

Answer **any four** questions out of six. **Each** question carries **five** marks. **(4×5=20)**

2. How far SDR have been able to solve the problem of international liquidity ?
3. Examine various aspects of EMU.
4. Explain in detail purchasing power parity.
5. Explain various channels through which capital flows from rich to poor countries ?

P.T.O.

6. From the following data calculate the possibilities of a gain/loss in arbitrage:
   Spots rate FFR 6.00 = US $ 1
   6 months forward rate FFR 6.0020 = $ 1
   Annualized interest rate on 6 months US $ = 5%
   Annualized interest rate 6 months FFR = 8%

7. The following quotes are available :
   Spot ($/Euro) : 0.8385/0.8391
   3 months forward 20/30
   Spot ($/Pound) 1.4548/1.4554
   3 months forward 35/25
   I) Find the 3 month(Euro/Pound) outright forward rates.
   II) Indicate their spreads and percentage spread.

SECTION – C

Answer **any three** questions out of six. **Each** question carries **twelve** marks. **(3×12=36)**

8. Suppose that the current spot exchange rate is € 0.80/$ and the three month forward exchange rate is € 0.7813/$. The three-month interest rate is 5.60 percent per annum in the United States and 5.40 percent per annum in France. Assume that you can borrow up to $1,000,000 or € 800,000.
   a) Show how to realize a certain profit via covered interest arbitrage, assuming that you want to realize profit in terms of U.S. dollars. Also determine the size of your arbitrage profit.
   b) Assume that you want to realize profit in terms of euros. Show the covered arbitrage process and determine the arbitrage profit in euros.

9. Discuss the major trends that have prevailed in international business during the last two decades.

10. Explain the random walk model for exchange rate forecasting. Can it be consistent with the technical analysis ?

11. Assume you are a trader with Deutsche Bank. From the quote screen on your computer terminal, you notice that Dresdner Bank is quoting € 0.7627/$ 1.00 and Credit Suisse is offering SF1.1806/$1.00. You learn that UBS is making a direct market between the Swiss franc and the euro, with a current €/SF quote of .6395. Show how you can make a triangular arbitrage profit by trading at these prices. (Ignore bid-ask spreads for this problem). Assume you have $ 5,000,000 with which to conduct the arbitrage. What happens if you initially sell dollars for Swiss francs ? What €/SF price will eliminate triangular arbitrage ?

12. Write short notes on the following :
   a) Crawling Peg.
   b) Euro – as currency of EU.
   c) Un-sponsored Depository Receipts.

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PG – 525

IV Semester M.Com. Examination, June 2016
(CBCS)
COMMERCE
FB – 4.2 : Forex Management

Time : 3 Hours Max. Marks : 70

SECTION – A

Answer **any seven** questions out of ten. **Each** question carries **two** marks. **(7×2=14)**

1. a) What do you mean by Balance of Payment ?
   b) What is the difference between absolute and relative purchase power parity theory ?
   c) If the inflation rate in the country is 6.5% and expected real interest rate is 5%, then what is the nominal interest rate an investor should earn ?
   d) What is meant by foreign exchange market ?
   e) What is a Mark-To-Market (MTM) ?
   f) What is meant by Currency Depreciation ?
   g) Expand : CHIPS, SWIFT.
   h) Differentiate between risk and exposure.
   i) Consider the following bid-ask prices : Rs. 96.50 – 97.25/GBP. Find the Bid-Ask spread.
   j) What is clean and dirty float ?

SECTION – B

Answer **any four** questions out of six. **Each** question carries **five** marks. **(4×5=20)**

2. What are the functions of foreign exchange market ?
3. Explain the meaning and features of over the counter options.

P.T.O.

4. Given the following data :

   Spot rate : ₹ 66.64 = $1

   6 month forward rate : ₹ 67.91 = $1

   Annualized interest rate on 6 months rupee : 12%

   Annualized interest rate on 6 months dollar : 7%

   Assume a borrowing of ₹ 1,000 at 12% for 6 months. Work out the arbitrage possibilities.

5. What are the features of interest rate caps and interest rate collars ?

6. Futures contract as hedging tools and help in protecting the risks associated with uncertainties in exchange rates, explain.

7. The US dollar is selling in India at ₹ 65.50. If the interest rate for 6 months borrowing in India is 10% per annum and the corresponding rate in USA is 4%.
   a) Do you expect that US dollar will be at a premium or at discount in the Indian forex market ?
   b) What will be the expected 6-months foward rate for US dollar in India ?
   c) What will be the rate of forward premium or discount ?

SECTION – C

Answer **any three** questions out of five. **Each** question carries **twelve** marks. **(3×12=36)**

8. Explain different internal and external techniques of hedging the exchange rate risk.

9. From the following information find call and put option values (premium) using Black-Scholes model :

   Spot rate : ₹ 76.54/€; Strike rate (E) – ₹ 78.25/€; Maturity period – 6 months; Continuous compounding interest rate – 10% p.a.; Standard deviation – 0.60.

10. DC Corporation is a US based software consulting firm, specialising in financial software for several fortune 500 clients. It has offices in India, the UK, Europe and Australia. In 2002, DC required £100,000 in 180 days and had four options before it :
    - A forward hedge
    - A money market hedge
    - An option hedge
    - No hedge

Its analysis developed the following information which was used to asses the alternative solutions :

- Current spot rate of pound = $ 1.50
- 180-day forward rate of pounds as of today = $ 1.48.

Interest rates were as follows :

	U.K.	U.S.
180-day deposit rate	4.5%	4.5%
180-day borrowing rate	5.1%	5.1%

The company also had the following information available to it :

A call option on Pound that expires in 180 days has an exercise price of $ 1.49 and a premium of $ 0.03.

A put option on Pound that expires in 180 days has an exercise price of 1.50 and a premium of $ 0.02.

The future spot rates in 180 days were forecasted as follows :

Possible outcomes	Probability
$ 1.44	20%
$ 1.46	60%
$ 1.53	20%

11. ABC House Ltd. manufactures orange marmalade in England. It is the wholly owned subsidiary of XYZ Inc. of USA. The functional currency for ABC is the pound sterling which currently sells at $ 1.5000/£. The reporting currency for XYZ is the US dollar. Non-consolidated financial statements for both ABC and XYZ are follows (in thousands) :

Assets	**XYZ Inc. Amount ($)**	**ABC Ltd. Amount (£)**
Cash	8,000	2,000
Accounts receivable	10,000	4,000
Inventory	8,000	2,000
Net Plant and equipment	10,000	6,000
Investment	4,500	–
Total	**40,500**	**14,000**

Liabilities and Net Worth		
Current Liabilities	22,000	4,000
5 year-term loan	500	4,000
Capital Stock	9,000	2,000
Retained earnings	9,000	4,000
Total	**40,500**	**14,000**

a) Prepare a consolidated balance sheet for XYZ Ltd.

b) What is ABC Ltd's accounting exposure in dollars ? Use the current rate method of calculation.

c) Before any business activities take place, the pound sterling depreciates 9% in value relative to the dollar. What is the new spot rate ?

d) What is XYZ accounting loss or gain, if any by the current rate method/ monetary/non-monetary method ?

12. Write short notes in the following :

a) Interest rate swaps

b) Economic exposure

c) LIBOR.