

## FORM FIVE COMMERCIAL (BUSINESS MATHEMATICS)

### REVISION QUESTIONS (GCE)

#### Question 1

Two brothers living in U.S.A and U.K sent money to their parents in Cameroon. The one in U.S.A sent \$125 while the one in the U.K sent £150. If \$1 = 550frs and £1 = £1.325,

- (i) Calculate the amount sent by each of them in CFA
- (ii) Who sent the higher amount
- (iii) How much will a buyer spend in U.K to buy a timber in

Cameroon cost 10 377 358frs

(10 marks)

#### Question 2

A capital of 2,300,000frs had been divided into two parts. The first part is invested at 4% per annum and the second part at the rate of 4.5% per annum. After 90 days, the interest earned by the first part doubles that of the second part in 60 days

Required:

- i) Determine the two parts
- ii) Calculate the interest yielded by each part

(7 marks)

(3 marks)

#### Question 3

A creditor who has to pay a bill of 475 000frs due in 40 days wants the bill to be replaced by another bill coming due in 90 days. Given an equivalent discount rate of 6%, what is the nominal value of the new bill?

(7 marks)

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#### Question 4

SAMPACO has the following bills to settle;

- Bill n 01 : 900 000frs payable on the 01/05/2010
- Bill n 02 : 1800 000frs payable on the 21/05/2010
- Bill n 03 : 2000 000frs payable on the 31/05/2010

On the 01/04/2010, he decided to replace these three bills by a unique bill payable on the 30/06/2010. Calculate the nominal value of the unique bill given that the discount rate is 6% (12mks)

#### Question 5

Determine the average due date of 4 bills on the 2<sup>nd</sup> of may given that the following bills where;

- 240 000frs Coming due on the 1/06
- 128 000frs Coming due on the 21/06
- 760 000frs Coming due on the 01/07
- 2240 000frs Coming due on the 01/06

(8marks)

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