Correction first cycle 2009

FILE ONE: COST ANALYSIS FORECAST (16MARKS)

i. Determination of the forecasted monthly turnover 60,00/12 = 5 000 000

ii. Determination of the forecasted BEP. BEP = 10,000 FCFA

iii. Determination of the forecasted result 60,000,000 x 30% = 18,000,000FCFA.

iv. Determination of the forecasted fixed cost and the forecasted variable cost

BEP = FC X TO Lets's denoted gross margin = GM

Gross Margin

10,000 = 6,000,000 x FC = 10,000GM = 6,000,000FC

GM

- FC $\frac{10\,000GM}{60\,000\,000} = FC = \frac{1}{600}GM$

Result = GM – FC

1800000 = GN – FC

- $18000000 = GM = \frac{1}{6000}I \qquad GM = 18000000 = \frac{6000GM - GM}{6000}$
- $18000000 = GM = \frac{5999}{6000} \qquad GM = 18003000.5FCFA$
- $FC = \frac{1}{6000} x\ 18003000.5 \qquad FC = 3000.5FCFA$

Forecasted variable cost
60000 – (30005 + 18000000) = 41996999.5FCFA
VC = 11996999.5FCFA

(V) Graph Representation of the turnover
- Fixed cost function; ye 3 000
- Gross margin variable function: Y1 = 0.30005x, where X concerns turnover

File Two: Supply Management 916marks)

Months	Calculations and answers
January	$390\ 000\ x\ \frac{1}{15} + 5000 = 31\ 000kg$
February	$390\ 000\ x\ \frac{1.1}{15} + 5000 = 33600kg$
March	$390\ 000\ x\ \frac{1.2}{15} + 5000 = 36200kgkg$
April	$390\ 000\ x\ \frac{1.3}{15} + 5000 = 38800kg$
May	$390\ 000\ x\ \frac{1.4}{15} + 5000 = 41400kg$
June	$390\ 000\ x\ \frac{1.5}{15} + 5000 = 44000kg$
July	$390\ 000\ x\ \frac{1.6}{15} + 5000 = 46600kg$
August	$390\ 000\ x\ \frac{1.5}{15} + 5000 = 44000kg$
October	$390\ 000\ x\ \frac{1}{15} + 5000 = 31\ 000kg$
December	$390\ 000\ x\ \frac{1}{15} + 5000 = 31\ 000kg$
Total	450 000kg

i. Determination of the first date of delivery as well as the first date of ordering for the year 2008
First date of delivery

- Consumption per day: $\frac{31000}{31} = 1000kg$
- Number of days of initial stocks: $\frac{25000}{1000} = 25dats$
- Date of minimum stocks 25 -5 = 20 days (20th January 2008)
- We deduce that, the first delivery date shall be 15th January
  First date of ordering for year 2008
- Date of last delivery 15/01/2008
- Date of next order: 1/03/2008
  We deduce first date of order 1/03/2008

ii. Establishing of the supply budget for the maize (regular period)

Element	**January**	**February**	**March**
Delivery	67,200		98,300
Initial stock	25,000	61,200	27,600
Available stock	92,200	61,200	125,900
Monthly consumption	31,000	33,600	36,200
Final stock	61,200	27,600	89,700
Date of orders		-	1/03/08
Date of delivery	15/01/08	-	15/03/08

April	June	July	Aug	Sept
-	89,300	-	77,600	-
89,700	50,900	98,800	52,200	85.000
89,700	140,200	8,000	129,800	-
38,800	11,400	46,600	44,000	38,800
50,900	98,800	52,200	85,800	47,000
-	1/05/08	-	1/07/08	-
-	15/03/08	-	15/07/08	-

Quantity delivered in January
31,000/2 + 33,600 + 36200/2 = 67,200
Quantity delivered in March
36,200/2 + 38,800 + 41,400/2 = 98,300
Quantity delivered in June
41m400/2 + 46 600 + 44 000/2 = 89 300
Quantity delivered in August
44 000/2 + 38 800 + 33600/2 = 77600

File three: inventory of cash in the bank (16marks)

i. Establishment of the bank reconciliation statement as at 30/04/08

Element	Bank account No 5211 union bank		Bank Statement	
	Debit	Credit	Debit	Credit
Balance before reconciliation	106,800	-	-	48,500
Cheque issued	-	-	23,000	-
Cheque remitted	-	-	-	19,000
Agio (78000 – 74 350)	-	3,650	-	-
Bill domiciled	-	163,500	-	-
POH's transfer	104,700	-	-	-
Bank charges	-	1,060	-	-
Interest	3,210	-	-	-
Balance		44,500	44,500	
Total	214,710	214,710	67,500	67,500

ii. Adjustment entries

		30/04/2008		
5211		Bank (union Bank of Cameroon)	107 910	
	411	Customers		104700
	771	Interest from loans		3 210
		According to bank reconciliation debit		
		D0		
675		Discounting of bills of exchange	3 650	
402		Supplier bill payable	165 500	
631		Bank expenses	1 060	
	5211	Bank (union Bank)		170 210
		According to bank reconciliation credit		

File four: Increase of Capital (16marks)

i. Determination o amount of capital before and after the increase

- Capital before increase $\frac{750\,000\,000+50\,000\,000}{1.6} = 500\,000\,000 FCFA$
- Capital after increase
  500 000 000 x 1.6 = 800 000 000 FCFA

- Contribution in cash.
  100 000 000 x 2/20 000 = 10 000shares
- Incorporation of reserves
  (300 000 000 – 100 000 000 x 2)/20 000 = 5 000shares
  Total shares = 10,000 + 5000 = 15000shares

ii. Fraction of the new capital in cash paid up to the start of December 2008
$\frac{50\,000\,000}{200\,000\,000} = \frac{1}{4}$

iii. Issue price of the new cash shares

iv. Issue price of the new cash shares
$\frac{200\,000\,000+100\,000\,000}{10\,000} = 30\,000\ FCFA$

v. Determination of the number of shares that were paid in anticipation in March 3 000
000/(20000/2) = 300shares

iii. Reconciliation of the journal entries of the increasing of capital in March 2008

		1/03/08		
4 615		Shareholders contribution in cash	200 000 000	
109		Shareholders subscribed uncalled	100 000 000	
	1011	Uncalled subscribed capital		100 000 000
	1012	Uncalled rip, subscribe called up		100 000 000
	1051	Issue Premium		
		Promises	203 000 000	
		DO		200 000 000
5211		Local bank		3 000 000
	4615	Shareholders payment on increased of capital		
	4616	Shareholders anticipated		
		D0	100 000 000	
1042		Unpaid, subscribed called up capital		100 000 000
	1013	Subscribed capital non amort		
		Concentration of account 1012		
			100 000 000	
118		Optimal reserve		100 000 000
	1013	Subscribed call up		
		Incorporation of reserve		

File five: Appropriation of Profit in A PLC (16marks)

i. Determination of the amount of the dividend distributed

- Dividend per share
  - Contribution in kind
    D x 100 = 27 778 = D = 2500F
  - Contribution in cash
    D x 100 19,445 = d = 1750F
  - Amount to dividend distributed
    2500 x 500 x 17500 x 2000 = 4750000FCFA

ii. Determination of the statutory interest rate and the super dividend per share

- Statutory interest rate
- Nominal value of share
  50 000 000 / (2 000 + 500) = 20 000FCFA

Statutory interest on contribution in kind per share
(2500 – 1750)/9x12 = 1000F
Statutory interest rate
$\frac{20000xr}{100} = 1000 = r = \frac{4000x100}{20000} = 5\%$
Super dividend per share = 2500 – 1000 = 1500FCFA
iii. Determination of:

- Total super dividend
  1500 x 2500 = 3750000F
- Total statutory interest
  Contribution in kin: 500 x 20000 x 5% = 500 000
  Contribution in cash (1/2): 2000 x 20000 x 5% $\frac{1}{2} = 1000000$
  Contribution in cash (1/3): 1/10/08 $\frac{2000 X 20000 X 5 X \frac{1}{2} X 3}{1200} = 250\ 000$
  Total: 500000 + 1000000 + 250 000 = 1 750 000 F
  Total gross dividend
  3 750 000 + 1 750 000 = 5 500 000 FCFA
  iv. Determination of the amount of the net accounting profit on 31/12/2008
  let's consider P = net accounting profit
- Accounting net situation
  Capital = 50 000 000
  Over-value = 2 500 000
  Fictitious expenses = 500 000
  Reservation allocated (P = Gross dividend) P = 5 500 000
  N.A.S = P + 46 500 000

- Mathematic value ex-coupon
$\frac{46\ 500\ 000+P}{2500} = 21520 = 46\ 500\ 000 + P = 53\ 800\ 000$
= P = 53 800 000 – 46 500 000 = P = 7 3000 000 FCFA