| | | Par Sébastion Jupin-Langlois Guillaume Tanguay | | | | |
|------------|-----|--|--|--|--|--|
| 0 | | Analyse économique Examen 2013 Partiel 2 | | | | |
| Question I | | Défenseur TRAM=1290 | | | | |
| | M | CC CC OLE CAT P/F,i,N Poat Scat A/P,i,N AEC | | | | |
| 1 | 0 | 1000 288 2000 3188 0,8929 2936 2936 1,12 3288 | | | | |
| (2) | 1) | 420 168 2500 3088 0,7972 2462 5398 0,5917 (3194) | | | | |
| 3 | 1 | | | | | |
| | 3 | 294 118 3000 3412 0,7118 2429 7827 0,4163 3258 | | | | |
| 4 4 | 123 | 206 82 3500 3788 0,6355 2407 6234 0,3292 3369 | | | | |
| 5 5 | 5 | 144 58 4000 4202 0,5674 2384 12618 0,2774 3500 | | | | |
| 6 6 | 7 | 101 40 4500 4641 0,5066 2351 14969 0,2432 3640 | | | | |
| | | Aspirant : | | | | |
| | | RC=(P-5)(A/P,1290,4)+i5 | | | | |
| | | RC = (9500-5000) · 0,3292 + 0,12 · 5000 = 2081,4 | | | | |
| | | AE = (A/P, 1290,4) [too (P/F, 1290,1) + 1000 (P/F, 1290, d) + 1200 (P/F, 1290,3) + 1500 (P/F, 1290,4) | | | | |
| 0 | | AC = 0,3292 [1000.0,8929 + 1000-0,7972 +1200.0,7118+1500.0,6355] | | | | |
| | | AC=1151,4 | | | | |
| | | AEC = RC+AC = 2081,4+1151,4=3232,80\$ | | | | |

Question 2 2008

usine 700k tomes 250 M\$ Index = 172

Frais opération aujourdh'ui = 17\$/tonne (2013)

X=0,65 = cont total en capital X=0,75 => Frais annuels d'opération

2013

usine 500k tonnes Index = 194

Ajustement capacité (2008) capacité (2013) facteur X Usine 250M 700K 500K 0.65

Clois = C2008 (Q2013) X = 200,89 M\$

Ajustement temporel:
Coût Index 08 Index 13
Usine 200,89M\$ 172 194 226,58 M\$

500k tonnes/an 17\$tonnes = 8,5 M\$

Frais annuels d'operation = 8,5M \$/an cont total en capital = 226,58 Mt

Question 3 P=35K\$ B3 = 28500\$ 1. lineaire p468 $38500 = 35k - 3(35k - 5) \rightarrow éq.: B_m = P - m(P-5)$ $6500 = \frac{3}{5}(35k-5)$ S = 35K - 10833 = 24167\$ 2. 28500 = 35k(1-d)3 > éq.: Bn = P(1-d)n P470-471 0,9338 = 1-0 d=0,0662 B5 = 35k(1-0,0662) = 24 850\$ p479 3. d=0,0792 By = 28500 (1-0,0792) = 26 242,8 Bg = 26242,8(1-0,0792) = 24164,37\$

Question 4: Queles, service P=400K\$ 5=100K\$ TRAM=1290 revenu = 150 K\$ taux imposition = 40% exploitation= 10 K\$ d=0,3 DPA FNACC 340K\$ 60 K a38k \$ 102k 71,4K 166,6K\$ 49,98K 116 630 \$ t FNACC S G Pertes/Gain 0,4 116620 100K 6648 -16620\$ G=t(FNACC-S)=0,4(116 620-100K)=6648 p.550 NS (valeur de recupération) = 5+G=100K+6648=106648\$ Année 2 Année 3 150K\$ Revenu brut = 150k \$ Exploitation = 10k\$ 10 K \$ DPA = 102K\$ 71,4K\$ Bénéfice imposable = 38 K\$ 68600\$ 27440\$ Impôt (40%) = 15200 \$ Bénéfice net 22800\$ 41160\$ 71400\$ DPA , loak \$ p.535 112560\$ Flux monetane net: 124 800\$

| N. | 0 . 1 . | 0 1 1) | 0 11 1 | 0 -1 1) |
|--------------|-----------------|--------------------|----------------|-----------|
| N | Projet a) | Projet b) | Projet C) | Projet d) |
| 0 | -300K | -250K | -900K | -175K |
| a | -35k | -27k | -55k | -50k |
| 3 | -35k | -277K | -55K | -225K |
| 4 | -335k | -37K | -255k | -50K |
| 5 | -35 k | -27k | -55k | -50 K |
| 6 | -35+ | -277K | -55k | -dd5K |
| 7 | -35 k | -17K | -55k | -50K |
| 8 | -335k | -27K | - 255K | -50K |
| 9 | -35k | -277k | -55K | -225K |
| 10 | -35k | -27K | -55K | -50K |
| | -35K | -27K | -55k | -50k |
| 19 | -35k | -27K | -55K | -50K |
| PEA = -300 | K [1+(P/1 | =,1090,4)+(P/F | 7,1090,18) | |
| -35 | K(P/A, 1070,12) |) = -883 3 | 19,50\$ | |
| - | | 3)+(P/F,1070,6) | | |
| | | | | |
| - d1K | (P/A,10%,12) | = -868 944 | ,407 | |
| PEc = - 2004 | k[1+(P/F,10 | 90,4) + (P/F,1090 | [(8, | |
| -55 | K(P/A, 1090,13 |) = -804 653 | 3,56\$ | |
| PE0 = -175 | K[1+(P/F, 10% | 10,3)+(P/F,1090,6) | + (P/F, 10%,9) | |
| -50! | K(P/A,1090,1 | a) = -840 16 | 7,50\$ | |
| | | | | |