Qa. PP LE: 450000+50000 = 500,000 WC = 120,000 CFO = 500k+120k = 620,000 Depreciation = 500k/5 = 1001000 (CF1-5 operating) = (300,000-110,000) x (0.6)+ (100,000) x(0.4) = 154,000 ((Fi-5 ofperating) CFI CF5 = 154k+120k+100,000x0.6 = 334,000 Year 1 Year 2 Year 3 Year 4 Year 5 Year O 154k 154k 334k 620h 154k 154h CFs non aparating: equipment sold for 100k, CF after tax for equipment = 60,000 : CFs non op = 180,000 => NPV = (10%, ZIS4k+334k) = 75547 Q1.  $CF_0 = \sum_{t=1}^{n} \frac{CF_t}{(1+1)^{t}}$  $CF. = 75000 \left[ \frac{20}{5!} \frac{1}{(1.11)^{\frac{1}{4}}} \right] + 100,000 \left[ \frac{20}{5!} \frac{1}{(1.11)^{\frac{1}{4}}} \right]$ = 648,875 NPV at 9% will be present value of CFs = -648,875

$$= 75000 \sum_{t=1}^{10} \frac{1}{(1.09)^t} + \sum_{t=11}^{20} \frac{100000}{(1.09)^t} - CF_{\bullet 0}$$