Capital Asset Pricing Model Arbitrage Pricing Theory E[R.] = R. + B(E[R.] - R.) where: 2, - return at time t Pm - market return Bluck- Scholes Rs - risk free water Black - Scholes- Merton Awow-Debren B - seusitivity (Rm-Rt) - market rish premium Murringales Modern Portfolio Theory Fung and French Three Factor Model Rit - Rit = X: +B. (RM. - RE.) + B. SMB. + B. HML + 61 Where : Rig . Return of asset/portfolio ; at time t Rie - Risk free rate at time + RM - Mouret vetern at time + Rit - Pri - Expected Excess Return RM. - Pil - Market Excess Return (~ market visk priming) SMB, - Size premium (small minus big) HAL, - Vale premium (high minus low) Bizis - Factor coexicients Carhart Four Factor Model R1 - REL = 01+ + B. (PM. - REL) + B2 SMB. + B2 HAL + B2 MOM + 614 Where: MOM - Momentum Fama and French Five Factor Model