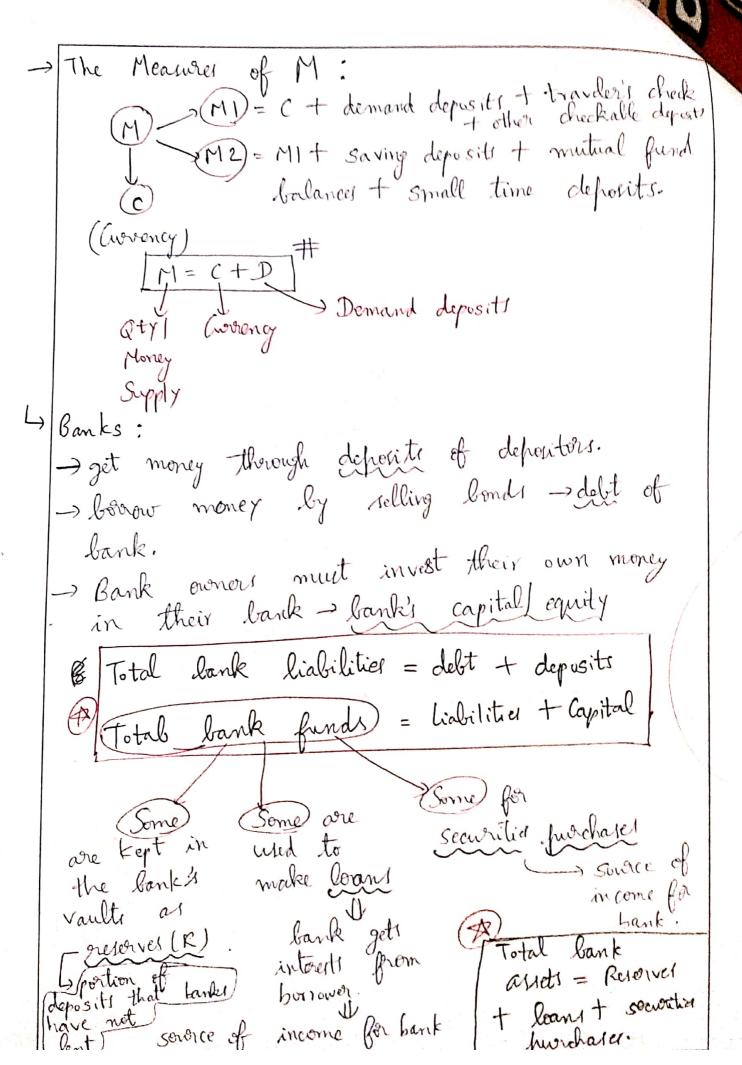


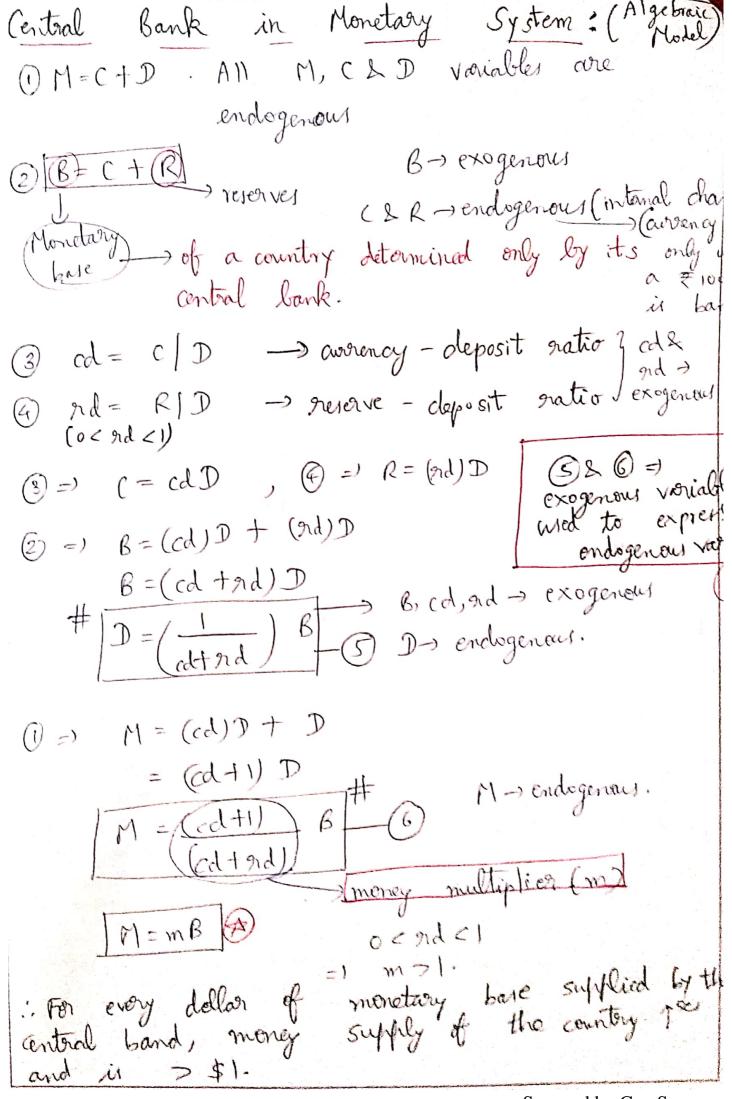
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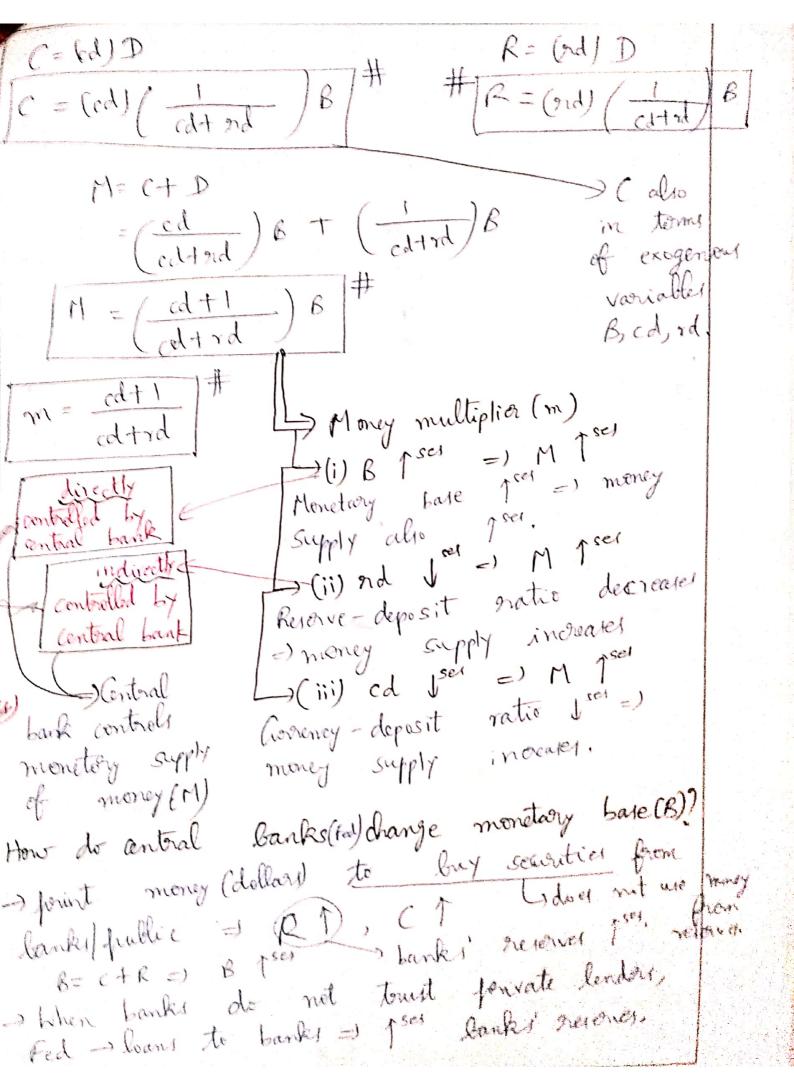
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Hence, banks funds are used to buy assets. - Bank's leverage: Use of Borrowed money (debts t deposits) to supplement owners' funds for investment purposes. Leverage Ratio = Assets Capital Liabilities & Owners equity Eg: (1) Assets habilit Deposits - \$750 Delet - 200 Reserved - \$200 loan - 500 Capital - 50 Security 300 purchaser Levorage 2 ratio = (200+500+304)/50 Being I leveraged => banks in danger! LIN GO, if asserts I by 5%, assets = 1000 - 5 (1000) = 9950 = 0 when assets = liebility liability = 750 + 200 = 950 = Capital = auch - liability = 950-950 = \$0. La l'everage valio should be less. - Capital requirements for a bank: () Capital > liabilities = lanks - alle to pay deposits & sepay their debts. 2) Banks with suskier assets =) need for capital requirements. 3 Avoid financial crisis (4) Encourage leading

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Central bank lends loans to banks in 2 ways -> Discount Window-From Auction Facility (TAF) Central Banks lends loans directly · happens as a to the other lanks (a) sime interest rate (commoral banks) response to financial oisis L'discount grate. · & Central bank decider how much . les = lanks brown T bans = 1 lanki. reserver(R) [ses it wants to lend as loans B= C+R=) B 7 sel. · Eligible banks Li How do central banks apply for these indirectly control ord? loans. (44) · Only those banks Thorque get boan which offer Maintain interest on reserve requirements to pay the highest bank! for banks E for these banks, reserves. done by - Banks -imposing a RTSel =) BTSEL. keep their min. gnd (RID) relevel with be Central gratio =) to enuis min. lank. money =) Central banks for when this interest lank pays -) Resorve requirements there

Last. depositions to 1sel = lanks keep I reservation rade mts

100 - percent - reserve banking: A system in which a bank holds all their deposits as resonves. Fractional -resorve banking:
 → A system in which a bank holds only a fraction of their deposits as reserves.
 → Greates money but it does not create wealth. - Provide board to borowers - new debts. Eg: Consider a bank - 20%. of deposits as deposit = \$ 1000. neserves. Banks -) Reverves = 20 x toco Balance Sheet Assets Liabilities (0 any = 80 × 1000 Reserves: \$200 Deposit:\$1000 = \$800 Loans: \$800 aprital = 1002-1000=60 => Assets > habilities => capital requirements (Capital) Disco (ppl deposit I in banks & hold) 4) M= C+D: avoiency) =) banks can't supply I morey. $M = m \times B = \frac{cd+1}{cd+rd} B$ ed 1ses =) ed 1ses in denominator 1) =) M J...
than in numerator.

Policy (3) the Monetory Instruments of discount Imorbet grate Resorve Transcingere (operations) 1 The Central, Cuntrals cd lank controls [other method BJ by lending indirectly (print money banil to by ->"lender of last resort L) least Ontral Lonk frequently -> symbolic. Lymost frequently need wed. L) The Central bank cannot control M directy. $M=m\times B$, $m=\frac{cd+1}{cd+rd}$ Licentrals B directly & cd indirectly >> M // also changes accordingly. Demand Theories L) Money > emphasizes on Transactions Portflio " medium of exchange funct emphasizes on of money. "store of value funct of money

simple portfolio theory: (M/P)d = L (75, Yb, Tre, W) Vs -) expected real getion on " bonds () YB -) 11 Warreal wealth Te respected IR (inflation rate) L) Baumol-Tobin Model: (Transactions Money demand (B-T Model) theory) y -> total spending done annually i -> interest rate on savings account No no. of trips consumer takes to go to banks

For Cost of I trip to the bank. money Arg. money holdings = $\frac{1}{2N}$ - 0 · Foregone interests = i (Y) N trips to Lank = FXN. Total Cost = () it + + (1/2) 6st-minimising N: 6st 1 -FN (Cost of trips) - Total Cost - i (Y) Foregone No minimizing N interat

N * = (1) ternand of 1,) fells how money demand depends on F - News money: Non-monetary assets having some of the liquidity of money I near money. . I in morey => 1 stability of money demand =) conflicates morelary falicy.