BASUDEV GODABARI DEGREE COLLEGE, **KESAIBAHAL**



BLENDED LEARNING STUDY MATERIALS

UNIT-II

DEPARTMENT:-ECONOMICS

SUBJECT :-Money and Banking

SEMESTER :-5th Semester

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Normally, no unerges to the bank for the services rendered by it Current depositors have to pay certain amand deposits or demand liabilities. Can be withtnesses in paid on these accounts. Rather, the depositors have to pay detain as invental charges to the bank for the services tendered by it Current derocite pay certain businessmen with as many times and in as much amount as desired by the depositors.

Can be withdrawn in as many times and in as much amount as desired by the depositors.

Can be withdrawn in these accounts. Rather, the depositors have be the depositors of the depositors. Current Deposit Account. These accounts are generally maintained by the traders and businessmen who have to make a number of payments every day. Money from these accounts on the withdrawn in as many times and in as much amount as desired by the denositives.

number of when the depositors. Rate of interest paid on these deposits is low as compared to savings or the process and the amount to be with drawn in a given period. Cheque facility a convided to the depositors. Rate of interest paid on these demonstrate to the depositors. Savings of the public. Certain restrictions are imposed on the depositors regarding the amount to be with drawn in a given period. Certain and the amount to be with drawn in a given period. demand deposit Account. The sum of these accounts is to encourage and mobilise small restrictions are imposed on the denositore mercaling the demositore mercaling the demo

in monunty. The rate of interest on these deposits is nearly the same as on fixed deposits. believed by installments for a fixed period and is repaid to the depositors along with interest on terrain in months and is a fixed period between the depositors along with interest on the same as a fixed by the same as a fixed b Recurring Deposited by the fixed income group. Cenerally money in these accounts is deposited the public, particularly by the fixed period and is repaid in the demonstration in the deposited and is repaid in the demonstration. (iv) Recurring Deposit Account. The purpose of these accounts is to encourage regular savings by the public, particularly by the fixed income group. Cenerally money in these regular savings by

Applies and to put his small savings in it Periodically, the safe is taken to the bank where Home Sare records. Under this scheme a safe is supplied to the depositor to keep it Home Safe Account. Home safe account is another scheme aiming at promoting saving

Various types of loans granted by the banks are discussed below: Advancing loans, the banks satisfy themselves about the creditworthness of the bontowers. Before abanking loans, the banks satisfy themselves about the creditworthness of the bontowers. Advancing of loans. The second important function of a bank is advancing of loans to the

other banks or financial institutions. at a very short notice of say one day to fourteen days. These loans are generally made to (i) Money at Call. Such loans are very short period loans and can be called back by the bank

(iii) Overdraft. Sometimes, the bank provides overdraft facilities to its customers though which Interest is charged only on the amount actually withdrawn from the account money from time to time upto a certain limit as determined by the value of his current assets. opens the account in the name of the borrowers and allows him to withdraw borrowed such as shares, stocks, bonds, etc. Such loans are not based on personal security. The bank (ii) Cash Credit. It is a type of loan which is given to the borrower against his current assets,

marginal deductions (in the form of commission), the bank pays the value of the bill to the in a bill of exchange the debtor accepts the bill drawn upon him by the creditor (i.e., holder Danks. Through this method, a holder of a bill of exchange can get it discounted by the bank (iv) Discounting of Bills of Exchange. This is another popular type of lending by the modern on the overdrawn amount. they are allowed to withdraw more than their deposits. Interest is charged from the customers

nad accepted the bill. Thus, such a loan is self-liquidaling. holder. When the bill of exchange matures, the bank gets its payment from the party which Of the bill) and agrees to pay the amount mentioned on maturity. After making some

the loan and the loan is repaid either on maturity or in instalments. or credited to the account of the borrower. The interest is charged on the entire amount of the loan and the account of the borrower. maturity period for such loans is more than one year. The amount sanctioned is either paid 10. The amount sanction of credition on the entire amount of Term Loans. The banks have also started advancing medium-term and long-term loans. The

tract savings from all sorts of individuals, the banks maintain different types of account. Money in these accounts is deposited for fixed period of time (sylvant) and cannot be withdrawn before the expiry of that period. The talk the process of advancing loan as adopted by the banks frame and credits one, two, or five years) and cannot be withdrawn before the expiry of that period. The talk this account. Thus, whenever a bank grants a loan, it creates an equal amount of loan to this account. Thus, whenever a bank grants a loan, it creates an equal amount Credit Creation. A unique function of the bank is to create credit. In fact, credit creation is the outcome of the bank is to create credit. In fact, credit creation is the bank advances.

spainst the deposits). These warehouse receipts became a medium of exchange and a means of

functions of a bank, i.e., receiving deposits and advancing loans. tre goldsmires toaned out the remaining decame a banker, he started performing the two majors required tor the periods when windrawars deposits on interest. In this way, the system of fractional tractured for the periods when withdrawals exceeded deposits. After keeping the soutingency reserve necessary to hold hundred per cent of the control deposits and only a contingency reserve was becomes a money-lender. This development was deposited with them. The goldsmiths soon realised necessary to hold hundred per cent of the coins of deity deposits and only a contingency reson realised. 4. The Money Lender. The next stage in the based on the goldsmiths' discovery that it was not becomes a money-lender. This development was based on the goldsmiths soon as not nent.
4. The Money Lender. The next stage in the development of banking arises when the goldsmith. payment

2. MEANING AND FUNCTIONS OF BANK

Meaning of Bank

According to Crowther, a bank "collects money from those who have it to spare or who are saving Ansed of the Pecause of this reason that different economists give different definitions of the barness In fact, a modern bank performs such a variety of functions that it is difficult to give a precise and general the funds available to those who need them, and helps in the remittance of money from one place to another, A bank is an institution which deals with money and credit. It accepts deposits from the public, makes

(iii) issue and pay cheques, and (iv) collects cheques-crossed and uncrossed-for its custonners." Paget, "No body can be a banker who does not (i) take deposit accounts, (ii) take current accounts made, and to which individuals entrust money when not required by them for use." According to John is an estabiishment which makes to individuals such advances of money as may de required and safely it out of their incomes, and it lends this money to those who require it." In the words of Kinley, "A bank

on demand or otherwise, and withdrawable by cheque, draft or otherwise." the purpose of Indian Companies lending or investment, of deposits of money from the public, repayable repay and so forth". According to the Indian Companies Act, 1949, banking means "the accepting for deposits in exchange for bills of exchange, government bonds, the secured promises of businessmen to deposists for cash; transferring bank deposits from one person or corporation to another; giving bank Again, according to Syzers, "Ordinary banking business consists cash for bank deposits and bank whose debts (bank deposits) are widely accepted in settlement of other people's debts to each other." Prof. Sayers defines the terms bank and banking distinctly. He defines a bank as "an institution

(i) It deals with money; it accepts deposits and advances loans. In short, the term bank in the modern times refers to an institution having the following features:

(ii) It also deals with credit; it has the ability to create credit. i.e., the ability to expand its

liabilities as a multiple of its reserves.

(iv) It is a unique financial institution that creates demand deposits which serve as a medium (iii) It is commercial institution; it aims at earning profit.

ot exchange and, as a result, the banks manage the payment system of the country.

an all-inclusive list of their functions and services. In the modern world, banks perform such a variety of functions that it is not possible to make Functions of Commercial Banks or Modern Banks

L. Accepting Deposits. The first important function of a bank is to accept deposits from those who are but cannot profitably utilise this saving themselves to accept deposits from the deposit from the deposits from the deposits

the danger of theft. their savings in a bank because by doing so they, on the one hand, earn interest, and on the other, avoid can save but cannot profitably utilise this saving themselves. People consider it more rational to deposite their savings in a hand have read on the cannot be deposited to the considering and a saving the considering a saving the considering a saving the considering the

(i) Fixed Deposit Account. Money in these accounts is deposited for fixed period of time (styling the table). To attract savings from all sorts of individuals, the banks maintain different types of accounting

they may finance foreign trade by discounting foreign bills of exchange.

(viii) Foreign Exchange Business. Banks also deal in the business of foreign currencies. Again, they may finance foreign trade by discourse the property of th position, business reputation and respectability of their customers.

(vii) Acting as Referee. Banks may be referred for seeking information regarding the financial position, business reputation and recovering the first contraction. 21.101, etc.) to be used on auspicious occasions.

securities carrying the signatures of a bank.

or private bodies. Because of its full faith in banks, the public will not hesitate in buying (a) Underwriting Securities. Banks underwrite the securities issued by the government, public containing research articles on economic and financial matters.

industry, trade and commerce, money and banking. They also publish journals and bulletins (iv) Collection of Statistics. Banks collect statistics giving important information relating to

creditworthiness. Letters of credit are very useful in foreign trade. (iii) Letter of Credit. Letters of credit are issued by the banks to their customers certifying their

CALTYING CASH WITH THEM CULTING THEIR TRAVELS.

the fear of theft or loss of money. With this facility, the customers need not take the risk of (ii) Traveller's Cheques. Banks issue traveller's cheques to help their customers to travel without their valuables and important documents in these lockers for safe custody.

(i) Locker Facility. Banks provide locker facility to their customers. The customers can keep general utility services as given below:

6. General Utility Function. In addition to agency services, the modern banks provide many

plots for their customers and receive letters on their behalf. and correspondents of their customers. They get passports, traveller's tickets, book vehicles,

(viii) Acting as Representative and Correspondent. Sometimes the banks act as representatives them after their death.

(vii) Acting as Trustee and Executor. Banks preserve the wills of their customers and execute returns for their customers and to help them to get refund of income-tax.

(vi) Income Tax Consultancy. Banks may also employ income-tax experts to prepare income-tax

(v) Collection of Dividends on Shares. Banks collect dividends, interest on shares and debentures their service, but simply perform the function of a broker. any advice to their customers regarding these investments not levy any charge on them for

like shares, stocks, bonds, debentures etc. on behalf of their customers. Banks neither give (iv) Purchasing and Sale of Securities. Banks undertake purchase and sale of various securities on behalf of their customers.

for making various periodic payments. They pay subscriptions, rents, insurance premia, etc. (iii) Execution of Standing Orders. Banks execute the standing instructions of their customers instruments like cheques, bills of exchange, promissory notes, etc.

(ii) Collection and Payment of Credit Instruments. Banks collect and pay various credit another through cheques, drafts, etc.

(i) Remittance of Funds. Banks help their customers in transferring funds from one place to : sasumoasno

5. Agency Functions. Banks also perform certain agency functions for and on behalf of their cheques have become much more convenient method of settling debts than the use of eash.

or crieques. Amougn a crieque, are depositor the money market. In the modern business transactions, is the most developed credit instrument in the money market. In the most developed credit instrument in the money market. In the most developed credit instrument in the money market. of cheques. Through a cheque, the depositor directs the bankers to make payment to the payer. Cheque 4. Promoting Cheque System. Banks also render a very useful medium of exchange in the form

short since source of the economy, dather created appending incoming stock takes of the banks. or bank deposit. Creation of such deposits have the ability to create credit many times more than their the money stock of the economy. Banks have the ability to create credit many times more than their the money stock of the economy. of bank deposit. Creation of such deposits is called credit creation which results in a net increase in

Min But, a well-developed banking system is a necessary pre-condition for the effective implementation Alapsementation of Monetary Policy. Economic development needs an appropriate monetary but, a well-development for the effective implementation supply of purchasing power and hence the aggregate demand. This, in turn, increases

portion of money supply. Thus, through their credit creation activity the banks increases the supply of money supply of money supply of credit. Credit creation is an important function of banks and bank credit forms the major Availability of Credit Bankers can also influence economic activity by the availability of Credit forms the major inflation they can adopt dear money policy with high interest rates.

sifuation, banks can follow cheap money policy with low interest rates and to control inflations there. hand, discourages investment and economic activity. Thus, to overcome a deflationary profitable and stimulates economic activity. An increase in the interest rate, on the other hand.

(i) Variations in Interest Rates. A reduction in the interest rates makes the investment more

per of economic development through its influence on (a) the rate of interest, and (b) the availability 4 Influencing Economic Activity. Banks can directly influence economic activity, and hence, the marward areas, the banks convert the non-monetised sectors of the economy into monetised sectors. ominated deposits (which are acceptable as money) (b) by spreading their branches in the timal and other words, they buy debts (i.e., securities which are not acceptable as money) and, in exchange, create me in the economy. They help the process of monetisation in two ways: (a) They monetise debts. In

economic activity. Banks, which are creators and distributors of money, allow money to play an active 3, Monetisation of Economy. Monetisation of the economy is essential for accelerating trade and adopt new methods of production and increase productive capacity of the economy. facilities of bank loans enable the entrepreneurs to step up their investment and innovational activities,

generally hesitate to invest in new ventures and undertake unnovations largely due to lack of funds. 2. Encouragement to Entrepreneurial Innovations. In underdeveloped countries, entre-preneur

hose who have the opportunities of productive investment Mentaces from those who have excess of them, but also make the resources so mobilized available to sale custors, they succeed in mobilizing the savings generated in the economy. They not only mobilise from those who have excess of them, but also make the reconomy. They not only mobilise number of the said cheap remittance of funds, sile custody of valuables, etc. (b) By expanding their branches in different areas and giving various they succeed in mobilizing the savings generated in the connent. Then said giving various and the translation of valuables, etc. (b) By expanding their branches in different remittance of funds, which are the said cheep remittance of funds, the said cheep remittance of funds, and the said cheep remittance of funds, and the said cheep remittance of funds, and the said cheep remittance of funds. of saving, (v) are three stages of capital formation: (a) They stimulate savings by providing a midal role in all the three stavers, such as, interest on deposits, free and cheavings by providing a but between the productive uses. (a) generation of saving and (b) mobilisation of saving in productive uses. Banks play a saving. (a) They simulate three stages of capital formation: (a) They simulate three stages of capital formation: (a) They simulate the saving in all the three stages of capital formation: Leapure of Laplace capital formation. Capital formation has three well-defined stages: (a) generation of saving, and (c) canalisation of saving in productive uses Commercial Commation. Capital formation is the most important determinant of economic development.

loping economic development in the following way: OUTPRETED 1 INCOME. OF MICH. OUTPRETED BY SECONOMIC PROPRESS IN The Present day developing economics largely depends upon the growth of sound banking system in these economics. acumence of industrial revolution in Europe. Similarly, the economic progress in the present day acuments deconomic progress in the present day acuments for the present day acuments of sound bandong system in the present day acuments. of resulting the growth of commercial banking in the 18th and 19th centuries that facilitated the abundance of industrial revolution in Europe. Similarly, the economic progress in the incidence of industrial revolution in Europe. Similarly, the economic progress in the more than facilitated the analysis. in development. The growth of commercial banking in the 18th and 19th centuries but also the leaders of the properties in the 18th and 19th centuries that cerebrate to the properties in the 18th and 19th centuries that cerebrate of the 18th and 19th centuries that centuries t In a modern control of the store houses of the country's wealth but also the leaders in development. They are not only the store houses of the country's wealth but also are the reservoirs in development. Banks play an important role in the development of the country's wealth but also are the reservoirs. ks and executionly, banks are to be considered not merely as dealers in money but also the leaders in money but also the leade

Banks and Economic Development

which banking acressing as well as functional reforms in the banking system are needed to enable and sparking system are needed to enable the banks perform developmental role in underdeveloped countries. for other states are limited mostly to trade and commerce, paying little attention areas, but the banking activities are limited mostly to trade and commerce, paying little attention areas, but also developed underdeveloped commerce are needed to analy as a serious in the banking system are needed to analy as a serious and a serious are needed to analy as a serious analy as a serio Modern to the countries, not only the banking facilities are in be utilized. In the undertrailisation, banks can the underteveloped and the underdeveloped and the underteveloped urban areas, but the hanking activities are limited to a few developed urban areas, but the hanking activities are limited as functional reforms in the hanking little attention to indicate the indicate area. A reconomy. Desired in which these resources for the Browth of industrialisation, banks can the brightness, not only the banking facilities are inmited to a few developed and such the banking activities are limited mostly to trade and comments to a few developed and and such that the banking activities are limited mostly to trade and comments. A well-developed series providing financial resources for the growth of industrialisation, banks can much these resources are to be utilized. In the underdevelopment in a mountiles, not only the banking facilities are limited to the underdevelopment and industrialisation, banks can industrialisation. A well-developed banking system is a necessary pre-condition for economic development in a geources for the growth of industrialisation and the growth of industrialisation pre-condition in which these resources are to the growth of industrialisation pre-condition.

HOLE OF COMMERCIAL BANKS IN A DEVELOPING ECONOMY Well-developed banking system is a necessary pre-condition for a necessary pr

popularise banking activities. This requires trained and efficient banking staff. (viii) Efficient functioning of the banks will inspire public confidence in the banking system and

Credit facilities should be extended to the priority sectors, like agriculture and small scale (iv) The banks should meet the different and changing needs of the underdeveloped countries. developmental activities in these countries.

loans alone. The banks should also provide medium-term and long-term loans to (v) The loan policy in underdeveloped countries should also not be restricted to short-term consumption and for speculative activities should be discouraged.

a way that loans for productive purposes should be encouraged and loans for conspicuous (v) The loan policy of banks in the underdeveloped countries should be rationalised in such promote trade and industry.

remittance facilities to enable the movement of hund from one place to another so as to (iv) The banking system in the underdeveloped countries should provide easy and cheap by increasing the rates of savings and investment in these economies.

(iii) The banking system in the less developed countries must aim at encouraging capital formation in the hands of a few banks.

reduce pressure on big banks and, on the other hand, check concentration of financial power to meet the local financial requirements of trade and industries. This will, on the one hand,

(ii) The system of unit banking may be developed in the limited area, particularly in bigger cities es banking habits in these areas.

more branches should be opened in rural and backward areas to encourage saving as well (i) The system of branch banking is most suitable for the underdeveloped countries. More and

economic growth in underdeveloped economies must possess the following features: A sound and efficient banking system which undertakes the responsibility of promoting

Sound Banking System for Underdeveloped Countries

berm loans to industry and agriculture.

diversify their activities not only to extend credit to trade, but also to provide medium-term and longmade in order to encourage the banks to play developmental role in these economies. The banks must structural and functional reforms in the banding system of the underdeveloped countries should be attention to trade and commerce and have almost neglected agriculture and industry. Thus, necessary small-scale industries in rural areas. So far, banks, in underdeveloped countries have been paying more Therefore, economic development in these economies requires the development of agriculture and primarily agricultural economies and majority of the population in these economies live in rural areas. 9. Development of Agriculture and Other Neglected Sectors. Underdeveloped economies are

between regions will promote economic development in underdeveloped areas of the economy. regions to the less-developed regions where it is scarce and most needed. This reallocation of funds development in different regions of the economy. They can transfer surplus capital from the developed

8. Regional Development Banks can also play an important role in achieving balanced as adopted in the plan. This will promote right type of industrialisation in the economy.

formulate their loan policies in accordance with the broad objectives and strategy of industrialisation material, machines and other inputs. In a planned economy, it is necessary that the banks should long-term), the banks can provide financial resources to the right type of industries to secure necessary

7. Encouragement to Right Type of Industries. By granting loans (particularly medium-term and which, in turn, has encouraged specialisation and accelerated the pace of industrialisation. cheque, the bank draft and the bill of exchange has revolutionized the internal and international trade, could not have been made possible without the development of banking system. The use of bank

in the last two hundred years or so is mainly due to expansion in trade and industrialisation which 6. Promotion of Trade and Industry. Economic progress in the industrially advanced countries without the active co-operation of the baking system in the country. of the monetary policy. Control and regulation of credit by the monetary authority is not possible

operative banks are owned by the private individuals or corporations and not by the private individuals or corporative societies. (c) Cooperative Banks: Cooperative banks are operative societies law and play an transitione in meeting finantial needs in the rural areas. Incation on the Basis of Ownership. On the basis of ownersmp, battles divergenced and controlled by the government. In the light of the foundation of the regional rural banks come under these categories. (b) Private Section for the regional rural banks come under these categories. (b) Private Section for the regional rural banks come under these categories. (b) Private source for the cooperation of the private individuals or corporation on the cooperative lines. The private individuals or corporated on the cooperative lines. The country.

The country on the Basis of Ownership. On the basis of ownership, banks can be classified by the government. In the controlled by the government in the controlled by the government. releparent in the country.

wind transfer; and (g) It acts as the controller of credit. Besides transfer; and (g) It acts as the controller of credit. Besides transfer to promote economic many developmental functions to promote economic many developmental functions to promote economic it serves as the lender of the last resort; (f) it innervous as the lender of the last resort; (f) it innervous as the lender of the last resort. Besides these functions, India's central lanctions to promote economic the Resort. intember banks' reserves; (d) It is the custodian of figures of central dearance, (f) It burctions as the bank of central dearance, (f) It burctions as the bank of central dearance, india's central and respectively. model to the banks of internations as the banket, agent and international accordant of international dearance, and internations as the bank of central clearance, and it is the custodian of nation's reserves of international dearance, and international accordance. mopoly of note issue; (b) It acts as the banker, agent and financial adviser to the state; (c) It is the widan of maton's reserves of international metary and credit system of the country. Important functions of the central bank are: (a) It has the monthly for the state; (c) It is the Central Bank. Central bank is the apex institution which controls, regulates and supervises the

dissue postal cash certificates. whic and mobilise their small savings) In India, postal saving banks do this job. They open accounts 5. Saving Banks. The main purpose of saving banks is to promote saving habits among he general aplay an important role in promoting foreign trade.

be sale and purchase international payments through the sale and purchase of bills of exchange and Lexchange Banks. Exchange banks deal in foreign exchange and specialise in financing foreign

MAKING

em credit to the agriculturists. dialitizal co-operatives provide short-term loans and Land Development Banks provide the long appment, etc. In India, agricultural finance is generally provided by co-operative institutions. andsee land, to make permanent improvements on land, to purchase agricultural machinery and mile (4) short-term credit to buy seeds, fertilizers and other inputs, and (b) long-term credit to dustrial and commercial banks normally do not deal with agricultural finance. The agriculturists Agricultural Banks. Agricultural credit needs are different from those of industry and trade.

positions, are playing significant role in the industrial development of the country. internal Development Bank of India, Industrial Finance Corporation of India, State Finance on regarding the general economic position of the economy. In India, industrial banks, like in the first in the debendures and shares of indeathing firms. (d) They can also provide the general economic position of the economic position of them to purchase land, construct factory building, purchase heavy machinery, etc. (c) They help mineral patter. (a) They accept long-term deposits. (b) They grant long-term loans to the industrial to the industrial to purchase land, construct factory building purchase heavy machine to the sure of the medium-state (a) They accept long-term deposits. (b) They grant long-term long-term needs cannot be met by the major of the major of the industrial long-term lo 2 Industries and long-term tinancial needs of the industries Such long-term needs cannot be met by the Industrial Banks. Industrial banks, also known as investment banks, mainly meet the medium-

and panks are also called joint stock banks. Industrial hanks. operation to the certain private sector banks operating as joint stock companies. Hence, the distribution banks are also called joint stock banks. and long-term and long-term and long-term finance. Majority of the commercial banks are in the public operating as joint stock commercial banks are in the public stock banks. formany the commercial banks and traders and avoid medium-term and long-term finance. Majority of the commercial banks have also extended their areas the medium-term and long-term finance. Majority of the commercial parks there are a seaso extended their areas ade and continence short-term loans to the businessmen and traders are for a short period, the normally advance short-term loans to the businessmen and traders and avoid medium-arterm lending. However, recently, the commercial banks have also extended mediumollowing are the banks which perform all kinds of banking business and generally advance are called commercial banks, Since their deposits are for a short period, normally advance short-term loans to the businessmen and traders and avoid medium.

Lean be classified into various types on the basis of their functions, ownership, domicile, struwing are the various types of banks:

NOF BANKS thort, compress are needed. Only after these changes, the banking system of the less from the promoting economic development in these countries. Thort, comprehensive structural and functional changes in the banking system of the countries are needed. Only after these changes, the banks can be expected to the

MONEY BANKING AND INTERNATIONAL TRADE

directly controlled by a corporation, an association or a business trust. The holding company may or Group Banking. Group banking refers to the system of banking in which two or more banks are thy controlled by a corporation, an association of the system of banking in which two or more banks or

Group Banking and Chain Banking

system in India has developed on the lines of branch banking system

branch banking system is specially suitable for the underdeveloped countries. The entire banking system in India has developed on the lines of bread developed on the lines of bread developed countries. system in hampered by limited resources and does not work under economic depression. Today, the branch banking system is specially suitable for the system is specially specially suitable for the system is specially suitable for the system is specially speciall of large operations and effective control by the central bank. Experience has shown that unit balding system in hampered by limited resources and chose and chose and chose and control by the central bank. tendency in favour of the branch banking system mainly because of large financial resources, economica of large operations and effective control by the operations merits and demerits, but the merits of the former outweigh those of the latter. There has grown a general tendency in favour of the bareho everage of the latter. There has grown a general

Conducion. Although both branch banking system and unit banking system have their relative and demerits, but the merits of the formations are not a concertainty and demerits. results in undesirable competition among different unit banks.

8. Undesirable Competition. Unit banks are independently run by different managements. This is independently run by different managements. This interferences generally disrupt their normal functioning.

7. Local Pressures. Since unit banks are highly localised in their business, local pressures and banking system interest rates vary considerably at different places.

6. Disparity in Interest Rates. Since easy and cheap movement of does not exist under the will to depend upon the correspondent banks for transfer of funds which is very expensive.

5. Costly Remittance of Funds. A unit bank has no branches at other place. As a result, it has

trained and specialised staff.

get advantages of, division of labour and specialisation. Such banks cannot afford to employ highly 4. Lack of Specialisation. Unit banks, because of their small size, are not able to introduce, and area remain unbanked.

cannot afford to open uneconomic banking business is smaller towns and rural area. As such, these 3. No Banking Development in Backward Areas, Unit banks, because of their limits resources,

financial crisis. These banks are not in a position to stand a sudden rush of withdrawals. 2. Inability to Face Crisis. Limited resource of the unit banks also restrict their ability to face

there is little possibility of distribution and diversification of risks in various areas and industries. I. No. Distribution of Risks. Under unit banding, the bank operations are highly localised. Therefore,

: matere gaidaned line to eagedneybesib aft are gaiwollot adT Disadvantages of Unit Banking

problems of large-scale operations which are generally experienced by the branch banks. 7. No diseconomies of Large Scale Operations. Unit banking is free from the diseconomies and

automatically eliminated. No protection is provided to such banks.

6. No Inefficient Branches. Under unit banking system, weak and inefficient branches are of generating monopolistic tendencies under unit banking system.

ocat problems. They are in a position to ane generally of small size. Thus, there is no possibility 5. No Monopolistic Tendencies. Unit banks are generally of small size. Thus, there is no possibility

4. Initiative in Banking Business. Our balle to fackle these problems through financial help. the local problems. They are in a position to take initiative to fackle these problems through financial help. the financial management of the unit banks.

3. Easy Management. The management and super are less chances of fraud and irregularities in effective than that under branch banding system. There are less chances of fraud and irregularities in and packward areas to the tight and supervision of a unit bank is much easier and more 3. Easy Management. The management and supervision of a unit bank is much easier and more

2. Fromotes Regional Balance. Under unit carbonal centres. This tends to reduce regional inhalance. Tarable and backward areas to the big industrial commercial centres of a resident in the property of the p ther areas

Liver is no transfer of resources from there is no transfer of resources from the areas Regional Balance. Under unit banking system, there is no transfer of resources from the areas are also become the contract of the contract

knowledge of the local problems and serves me requirement local development and are not transferred branch banking. The hunds of the locality are utilised for the local development and are not transferred 1. Local Development. Unit banking is localized of the local people in a better manner (han knowledge of the local problems and serves the requirements of the local development and are not transfer.

Unit particing system has the minowing is localized banking. The unit bank has the specialised I. Local Development. Unit banking is localized banking of the local people in a better manner of the local people in a better manner. Advantages of Unit Banking

Bills purchased or discounted Investments Loans and advances Acceptance and endosements Buildings and other fixed assets Total	3,	(c) \$aving deposits A coepitance and endorsements. Coher liabilities
Assets (a) Cash in hand (b) Cash with other banks (c) Cash with other banks (d) Cash with other banks	٦.	Liabilities See Capital See C

Table 1: Balance Sheet of a bank

the always equal. Table I shows a format of a bank's balance sheet. whiside of the balance sheet. The totals on the two sides (i.e., the total liabilities and the total assets) linvests them. It is customary that the liabilities are mentioned on the left side and the assets on the wome constitute assets of the bank. Thus, the balance sheet shows how a bank raises funds and how and its ownership of wealth. In other words, all those items from which the bank hopes to get an of the bank. Assets, on the other hand, refer to all credit items representing the bank's claims on others hother words, all those items because of which the bank is liable to pay to others form the liabilities labilities refer to all debit items representing the obligations of the bank or others' claims on the bank. The balance sheet of a bank is a statement of its liabilities and assets at a particular time.

MENTANCE SHEET OF A BANK

of dain banking system are more or less similar to those of ground banking system. and remained popular till the Great Depression of 1929. The advantages and disadvantages wolterwise. This type of banking system developed in the U.S.A. towards the middle of the 19th Mounton management may be by a single person or a group of persons through stock ownership Moormore banks are brought under common control by a device other than the holding company. Chain banking. Chain Banking is another form of group banking. It refers to the system in which

Anne failure of one bank has its adverse effects on other member banks. (4) The common purchasing in semicary of one bank has its adverse effects on other member banks is adversely affected by the Thus, group occurring to possible. (b) Efficiency of the member banks is adversely affected by the The group baking system is less direct and more flexible than that under branch banking. Thus,

her banks. Where system is less direct and more flexible than that medicines of the control of member banks. banks. (f) Large-scale banking operations allow superior credit facilities. in purchases efficiently. (e) Common standardised accounting system improves the working of the business of Large-scale banking operations allow superior credit facilities of the working of the large. flomy of advertages. (d) Services of experts can be made available to the member banks to manage efficiently. (e) Common standardised accounting system improves to manage mobility of resources of expenditure. There is also a common purchasing agency which leads to in purchases. (d) Services of experts can be made available to the member which leads to time, grouped care. In case of crisis, funds can be transferred from other banks, (c) There is greater liquidity of advertisement expenditure. There is also a common purchasing advertisement expenditure. (a) Each menters by the benefits of centralized administration. (b) There is greater liquidity of resources. In case of crisis, funds can be transferred from other banks (c) at the The member bank retains its separate entity and maintains its board of directors. But, at the grouped banks enjoy the benefits of centralized administration (b) The

Group banking system combines some of the advantages of branch as well as unit banking are:
The main advantages are: anot be a banking company. This type of banking was popular in the U.S.A. between 1925-29. not be a banking company. Although each bank maintains its separate entity, but its business is dependent in the 115 A but its business is a business is a popular in the 115 A but its business is a

The liabilities side of the balance sheet is relatively simple system. It consists of the following Liabilities of the Bank

(a) authorised capital i.e. the maximum amount of capital issued in the form of shares for public public satisfies is the part of the authorised capital actually subscribed by the part of the subscribed by the part of the part of the subscribed by the part of the part o words, snare capital is the contributions made by the bank is authorised to raise in the form of authorised capital i.e. the maximum amount of capital issued in the form of shares for miles. I. Snare Capital. A joint stock pank unually lates thareholders. Share capital is in the form of words, share capital is the contributions made by the shareholders. Share capital is the contributions made by the shareholders. is:

1. Share Capital. A joint stock bank initially raises its funds by issuing share capital. In other capital is in the form.

actually paid-up share capital which constitutes the liability of the bank. subscription; (c) subscribed capital actually paid by the subscribers. It is the and (d) paid-up capital i.e. the part of the subscribed capital is the lishility of the bank. snares; (v) issued capital i.e. the part of the issued capital actually subscribed by the public subscribing capital i.e. the part of the issued capital actually subscribers. It is it is the public subscribers in the public subscribers in the public subscribers.

3. Deposits. Deposits from the public constitute the major portion of the banks working capital. prouts. Inormany, an ure prouts of the bank are find actually belongs to the shareholders, retained undistributed for meeting contingencies. This reserve fund actually belongs to the shareholders. 2. Reserve rung, Reserve rung is the amount distributed among the shareholders; some part is profits. Normally, all the profits of the bank are not distributed among the shareholders; some part is 2. Reserve Fund. Reserve fund is the amount accumulated over the years out of undistributed

assets of the bank because, after keeping a certain cash reserve, the bank invests the balance in neprone is. the deposites are the liabilities of a bank towards the depositors. But they are also some interest is paid. Deposits are the liabilities of a bank towards the hank invests the halos also some interest is paid. deposits i.e. the deposits which can be withdrawn to the limited extent in a given period and on which withdrawn at any time and on which high rate of interest is paid; and on which high rate of interest is paid; and on which high rate of interest is fixed period of time and on which hot in a rate is fixed period of time and on the horizon rate in the paid in the horizon as in the period of time and on the horizon rate in the period of time and on the horizon rate in the period of time and on the period of time and the period of time and the period of time and time an withdrawn at any time and on which no integral is the deposits i.e. the deposits which can Various types of deposits accepted by the bank are (a) demand deposits i.e. the deposits which can be

loan facilities to the banks in special circumstances. All these borrowings form the liability of the basis to meet the increased demand for money. Central bank is the lender of the last resort and provides 4. Borowings from Banks. Sometimes, the bank borrows loans from other banks on temporary securities or utilises it for advancing loans and thus earns income.

bills of exchange on behalf of its customers. Through this facility, the bank assumes the liability to pay 5. Acceptances and Endorsements. The bank also creates liabilities by accepting or endorsing the

6. Other Liabilities, Certain other miscellaneous liabilities are incurred by the bank. For example, the amount of the bill on maturity.

Again, the profits earned by the bank represent the liability because they are payable to the shareholders. by acting as an agent the bank makes collections on behalf of its customers and thus creates liability.

Assets of the Bank

Given below are various assets of the bank arranged in an ascending order of profitability and besilitu are sale bank are utilised. The asset side of the balance sheet is both complicated and interesting. It shows the manner in

defence. Every bank keeps certain amount of cash in order to meet the cash requirements of its denoting Cash of the hank indired the cash requirements of its light. L Cash Cash is the most liquid but non-earning asset and is considered as the first line of descending order of liquidity:

in the safe values of the bank; (b) cash kept with central bank of the country; and (c) cash kept with other banks. depositors. Cash of the bank includes three items: (a) cash (currency and coins) in hand i.e., cash kept in the safe values of the hank includes three tiems.

2. Money at Call and Short Notice. Money at can and short notice. These loans are for a maximum personal cash to the bank on demand or at a very short notice. These loans are for notice loans to the brokes of portfolio Management of 15 days. Such loans are earning as well as highly liquid assets which can be converted into cash loans are earning as well as highly liquid assets which can be converted into the brokes of portfolio Management of 15 days. Such loss These assets are of two types: (a) call and short notice loans to the bills with heavy. recoverable by the bank on demand or at a very short notice. These loans are for a maximum period of 15 days. Such loans are earning as well as highly liquid a flow. 2. Money at Call and Short Notice. Money at call and short notice refers to loans which are verable by the bank on demand or at a very charge and short notice refers to loans which are other banks.

is, borrowing of the government for very short period.

3. Bills purchased or Discounted. The bank utilises its funds in trade bills and treasury but discounts. The amount of the bills is collected by the bank on maturity. The bills discounts. The amount of the bills is collected by the bank on maturity. The bills prefet the end into the bills are short-term (normally of 90 days) self-liquidating assets. They are self-liquidating because, at the partiern and contribution of assets and liabilities necessary to satisfy bank needs for a self-liquidating because, at the prefet liquidating because, at the partiern and contribution of assets and liabilities necessary to satisfy bank needs for of the commercial banks generally prefet liquidating because, for example, the assets that provide of the commercial transaction, the money will be repaid. The commercial banks generally generate little or no income." 3. Bills purchased or Discounted. The bank utilises its funds in trade bills and treasury bills it discounts. The amount of the bills is collected by the little of the bills is collected by the bill by the bills is collected by the bills is collected by the bill by the bills is collected by the bills is col recoverable by the tages are earning as well as highly liquid assets which can be a fightly liquid assets which can be assets are earning as well as highly liquid assets and short notice loans to the blue point loss. These assets are of two types: (a) call and short notice loans to solve the problem of portfolio management, i.e., it has to manage its assets and to other banks; (c) short-term treasury hills and solvency.

In the stock market, dealers in the discount market and to other banks; (c) short-term treasury hills and treasury hills management for very short period. quickly and without loss. These assets are of two types: (a) call and short notice loans to the brokers in the stock market, dealers in the discount market and short notice loans to the brokers.

PORTFOLIO MANAGEMENT

If provides information about the interest of various persons, such as shareholders, debtors, Creditors, etc.

follomana Sorve are propient of portations are secured without losting goals of liquidity, and profits aims at striking an optimum balance between the conflicting goals of liquidity, and profits aims at striking an optimum balance between the conflicting portfolio management and profits are striking an optimum balance between the conflicting portfoliomanagement and profits and striking an optimum balance between the conflicting portfoliomanagement and profits and striking an optimum balance between the conflicting goals of liquidity.

(bij) It shows the loans and investment policy of the bank.

deposits of the bank represent that the confidence of the people in the bank is also increasing.

(a) It gives an estimate of the confidence of the public in the bank increasing saving or time

form of deposits. These deposits are simply debt claims against the assets of the banks.

(b) It brings out an important fact that banks buy assets primarily by creating liabilities in the banks.

position of a bank vis a vis that of others.

(a) A comparison of balance sheet of different banks gives comparative picture of financial

(iii) The progress of the bank over time can be determined by comparing the balance sheet of

because it contains all information about the liabilities and assets of the bank.

(ii) It throws light on the financial position (i.e., liquidity and solvency position) of the bank

sheet. The balance sheet also has the merit of demonstrating, at a glance, the ratios to which

how it invests it. In the words of Crowther, "The whole business of a bank is in its balance (i) It represents the complete functioning of the bank. It tells how the bank raises money and

The importance of the balance sheet of a bank is clearly brought out in the following points:

Importance of Balance Sheet of the Bank but income of the bank and constitute very small properties of the assets of the bank Movable properties of the bank, such as office buildings, furniture etc. These assets do not contribute 7. Building and other Fixed Assets. Bank's assets also include the value of the movable and

oxiomers, the amount of the bill becomes customer's liability and the bank's asset.

hity and second and Endorsements. When a bank accepts or endorses exchange bills for its

preferred by the banks because of their high yields, they are not popular from the consideration of

or short period and are generally non-shiftable. Thus, while and advances eam high rate of their high yields, they are not popular from the mostly. discounting of the stand sare for relatively longer period. Loans and advances is that the advances are a short period and loans and advances cam high rate of the stand and advances cam high rate of diffe bank, baths proceed of exchange. The difference between loans and advances is that the advances are derived and loans are for relatively longer period. Loans and advances is that the advances are Loans and the least liquid assets of the bank. Banks provide loans and advances to the businessmen either through overdraft or by anting of bills of exchange. The difference between loans and advances is that the advances is the advances in the advances is the advances in the a

Loans and Advances. Loans and advances are the most profitable and the least liquid assets.

5. Loans and Advances. Loans and advances to the businessmen either through by banks can bottom. Some of well-established industrial concerns. Such invest in fixed industrial concerns. Such invest in fixed into a sho invest in fixed into a sho invest in fixed into a sho invest in fixed investing and yield good income. But they also involve risk Covernment securities to the central bank against these securities. The banks also invest in fixed banks also invest in fixed industrial concerns. Such invest in fixed in the banks also invest in the banks also invest in fixed in the banks also invest in the banks also investigated in the banks also investigate fire formers are relatively safe because there is certainly of repayment after maturity. Moreover, covernment accurities or bonds of well-securities securities. The banks also invest in the banks also investigated in the banks also i A investments. Some funds are invested in profit-yielding assets, mainly the government securities.

A investment securities are relatively safe because there is certainly of repayment after mainly the government securities.

policies in the ideal bank assets because they satisfy both the objectives of interest. Thus, the bills to meet some funds are invested in profit-yielding assets, mainly and profitability. Investments. Some funds are invested in profit-yielding assets, mainly the opticities are relatively safe because there. We fire are engages (c) They bring to the banks good earning in tase the bank needs cash before the needs cash before the ideal bank assets because they satisfy both the objectives of interest. Thus, the bills the objectives of interest. bills because of the bills. (c) They bring to the banks good earning in the bank needs cash before the that it is dead bank assets because they satisfy both the form in the form of interest. They have a satisfy both the banks good earning in the form of interest. They are the satisfy both the the latest as the form of the ideal bank assets because they satisfy both the form of interest. Thus, the form of interest. blis because of the following reasons: (a) They are highly negotiable and can be easily bought and (b) They are eligible for rediscounting with the central bank in case the bank needs of the bank needs to the banks good a bond of the bank needs o 0/ (-)

business firms or corporations, the bank will have to maintain high liquidity because of the unpredictable and erratic demand behaviour of these bodies. normally offset by the new deposits. On the other hand, if the majority of deposits are owned by business firms or corporations, the bank will have to maintain the majority of deposits are owned business firms or corporations, the bank will have to maintain the majority of deposits are owned by liquid cash because the demand behaviour of the depositors is fairly stable and the withdrawals are normally offset by the new deposits. On the other passes is fairly stable and the withdrawals are If the deposits are mostly by individuals and are of personal nature, the bank can operate with less liquid cash because the demand behaviour of the density and are of personal nature, the bank can operate with less liquid cash because the demand behaviour of the density of t

8. Type of Depositors. The type of depositors is another determinant of the cash needs of the bank at deposits are mostly by individuals and are of mother determinant of the cash needs of the bank less. banks are required to keep large amount of cash to meet increased demand of the people. of the customers. During busy season (i.e., during festival season, or sowing and harvesting season)

7. Seasonal Requirements. The banks have to take into consideration the seasonal requirements ecasion). because of general pessimism. Therefore, greater amount of cash is left with the banks. to support large deposits. But, during depression business is dull and the businessmen do not bonow of business conditions. During inflation, business flourishes and a small proportion of cash is sulfident

6. Nature of Business Conditions. Liquidity needs of the bank are also influenced by the natural answers conditions.

through money and there is great need for liquidity.

through cheque system. But, in an underdeveloped country, transactions are generally conducted through money and there is great need for liquidity. banks. In a developed economy banks need less cash resources because most of the payments are made through cheque system. But in an underdenielded

5. Nature of Economy. Nature of the economy has great bearing upon the cash reserves of the

and selling of securities in the money market

underdeveloped money market, banks have to keep greater liquidity because of less scope of buying they can easily buy and sell short-term securities in the money market. But in a less developed or of the banks. In a developed money market, the banks can function with lesser cash in hand because

4. Nature of Money Market Condition of the money market too determines the cash requirements because, in case of need, cash can be transferred from one branch to the other.

of each independent bank in a branch banking system the banks can function with less cash reserves of the banks. In a unit banking system, higher liquidity is required because of small scale operations

3. Structure of Banking. A country's banking structure also determines the liquidity requirements deed biupil to admonte

through cheques, then the use of cash in transactions is reduced and the banks need to keep smaller the banks. If the people have developed banking habits, i.e., they usually make or receive payments

2. Banking Habits. Banking habits of the people greatly influence the liquidity requirements of have to keep greater liquidity; and if the minimum reserve is low, the banks will have lesser liquidity. banking law or under the instructions of the central bank. If the minimum reserve is high, the banks L Requisite Cash Reserve. The banks are required to maintain a minimum cash reserve by

maintained by the banks depends upon the following factors.

The proportion of the total deposits to be kept in liquid or the amount of cash reserves to be Factors Affecting Liquidity

total deposits in liquid form.

Since it is most untikety that the deposits in liquid form. It is expected to keep only a portion of its cient uquany, it ioses public connections will withdraw all the deposits at the same time, Since it is most unlikely that the depositors will withdraw all the depositors time,

sufficient liquidity, it loses public confidence and, in turn, destroys its own business.

cash. The liquid assets of a bank are cash in tank, maintaining public confidence. If a bank does not have treastary bills; etc. Thus, liquidity is necessary for maintaining public confidence. If a bank does not have depositors. Liquid assets are assets entrer ut the hand; money at call or short notice, bills of exchange and cash. The liquid assets of a bank are cash in hand; maintaining public confidence. If a bank does not the Thus, the bank must keep adequate amount of the form of cash or in a form that can be easily furned into depositors. Liquid assets are assets either in the form can be sail or short notice, bills of exchange depositors. and the depositors feel confident when mey are success, with them to meet the demand from the Thus, the bank must keep adequate amount of liquid assets with them that can be easily turned the deposits." The business of the bank primarily depends they can demand their money back at any time, and the depositors feel confident when they are sure that they can demand their money back at any time, and the depositors feel confident when they are sure that they can demand their money back at any time.

is the word that the banker uses to describe upon the confidence of the depositors on the bank deposits." The business of the bank primarily depends upon the confidence of the depositors on the bank deposits." The business of the bank primarily depends upon the confidence of the depositors on the bank deposits." Liquidity means the ability of the bank to give the ability to satisfy demand for each in exchange for is the word that the banker uses to describe the ability to eatisfy demand for each in exchange for is the word that the banker uses to describe the ability to satisfy demand for each in exchange for its two the transfer of the banker uses to describe the ability of the banker uses to describe the ability of the banker uses to describe the ability to satisfy demand to the banker uses to describe the ability of the banker uses to describe the ability to the ability of the banker uses to describe the ability to the banker uses to describe the ability to the banker uses to describe the ability of the banker uses to describe the ability to the banker uses to describe the ability to the banker uses to describe the ability of the banker uses to describe the ability to the banker uses the ability to the ab Liquidity means the ability of the bank to give eash on demand. In the words of Sayers, "Liquidity Liquidity means the ability of the bank to give eash on demand. In the words of Sayers, "Liquidity Liquidity means the ability of the bank to give eash on demand. In the words of Sayers, "Liquidity In the words of the bank to give eash on demand. In the words of Sayers, "Liquidity of the bank to give eash on demand. In the words of Sayers, "Liquidity of the bank to give eash on demand. In the words of Sayers, "Liquidity of the bank to give eash on demand. In the words of the bank to give eash on demand. In the words of the bank to give eash on demand for cash in exchange the sayers."

discussed below:

The three main objectives of portfolio management, i.e., liquidity, solvency and profitability, are

MONEY BANKING AND INTERNATIONAL TRADE

Changes in Rate of Interest. Long-term investments involve the risk of interest rate to changes in the value of securities. There is an inverse relationship between the interest rate A Changes in Rate of Interest Long-term investments involve the risk of interest rate fluctuations in changes in Rate of Interest. Long-term investments involve the risk of changes in Rate of Interest. Long-term investments involve the risk of changes. (a) Rate of interest should be sufficiently high to avoid wastage of loan money by the borrowers. (b) Normally, loans should be given to meet temporary requirements of credit (b) As far as possible, short-term loans should be advanced.
(b) North

(ii) It should carefully evaluate the security to be offered by the borrowers for getting loan.

before granting loan.

if should thoroughly inquire into the reputation and economic position of the borrower (i) It should advance loans to a large number of individuals or businesses, and not a few.

:enoBerabian the bank, however, can minimise the risk of default by keeping in mind the following

sponsible for the reduction of the value of assets below that of liabilities leading to the insolvency Likisk of Default. Risk of default or the failure of the borrower to repay the loan is another factor.

bank robberies. fundspropriated by its dishonest or inefficient employees, Similarly, there can be loss of funds due

(see) may bring down the value of assets and endangers the solvency of the bank funds may I. Misappropriation or Loss of Assets. Misapproporation or loss of assets (particularly cash These factors are explained below:

onsideration by the banks in portfolio management ensuring solvency. * lactors which are responsible for the insolvency situation. Such factors must be taken into

Eactors Responsible for Insolvency. The factors which cause changes in the value of assets are

and hireatens the very existence of the bank. aux losses to the depositors and other creditors. Thus, insolvency shatters the confidence of the public becomes known to the public, it will lead to immediate demand on the bank for payment and this will need the liabilities endangers the creditors' claims. (b) In case the insolvency position of the bank inpayment, but a situation of insolvency is undesirable for two reasons: (a) An insufficiency of assets heart Although an insolvent bank may be able to function for some time if there is not a heavy rush repaire terms. A considerable fall in the realisable value of assets may lead to the insolvency of the the processor of the monetary unit of the country, the assets of the bank are liable to change the bank are fisher to change the pank are liable to the pank are the pank are liable to the l

The problem of insolvency arises because of the fundamental reason that while the liabilities of seed to its liabilities but there is not much demand for payment from the depositors. borescent to the depositors are insolvent bank may continue to operate without any inquidity problem, if its assets are small to its liabilities but there is not much demand for natural to its liabilities but there is not much demand for natural terms. but equal to complete, cannot be quickly exchanged for money to meet the demand of the depositors.

but exceed its liabilities, cannot be quickly exchanged for money to meet the demand of the depositors. assets into cash means its assets. A bank may be solvent, but not liquid, if its assets, though equal hand equal its liabilities, cannot be quickly exchanged for money in meet the description of the Solvency is solvened by the demands of the depositors. Solvency means liabilities of the solvency means liabilities of the depositors. Solvency means liabilities of the depositors. Columnition is different from liquidity. Liquidity refers to the ability of the bank to easily turn its solvency is writhout loss to meet the demands of the depositors solvency many is solvency.

the insolvent when when we solvent if the amount of its assets exceeds the amount of its liabilities it assets exceeds the amount of its liabilities. possible of the paties of the assets is insufficient to cover all the noncouner claims against it.

Its insolvent when the paties of its assets is insufficient to cover all the noncouner claims against it.

Its insolvent to Meyers, "A bank is solvent if the amount of its assets exceeds the noncouner claims against it. It implies that assets is at least great enough to cover all its liabilities except those to its owners; when the value of its assets is insufficient to cover all the nonnease to its owners; Solvency (or secents are at least equal to liabilities. In the words of Chandler, "A bank is solvent assets is at least great enough to cover all its liabilities exempt the solvent is solvent. 50|vency (or security or safety) of a bank depends upon the relationship between its liabilities and

The short, banks should keep an optimum proportion of cash. Too much cash reserves reduce Lility, while too little of it endangers the security of the bank. Melion while too little of it endangers the security of the bank. Johns keep large the lighter liquidity as there is no possibility of inter-bank settlement of claims, about, banks should keep an optimum proportion of eash. Too present of claims, the settlement of claims. house facility is creerves. In the absence of clearing house arrangements, on the availability of the require higher liquidity as there is no possibility of inter-bank settlements, on the other hand, require higher should keep an optimum proposition of inter-bank settlement of claims. Clearing House (acting House) with the stating house, inter-bank claims can be easily settled and the availability of Lighter liquidity as there is no possibility of Lighter liquidity as the l Clearing House Arrangements. Cash reserves of a bank also depend upon the availability of figures facility. If there is a clearing house, infer-bank claims can be easily settled and the back t

The long-term assets, no doubt, have earning potential, but they lack liquidity, i.e., they cannot be easily extreme, the bank desires to earn maximum profits, it must employ its funds in various long-term assets, no doubt, have earning profits, it must employ its funds in various long-term assets, no doubt, have earning profits, it must employ its funds in various long-term assets, no doubt, have earning profits, it must employ its funds in various long-term assets, no doubt, have earning profits in the long in the l funds of the bank in cash reserves. But cash reserves bring no earnings for the banks. If, on the other extreme, the bank desires to earn maximum process. customers as and when demanded. This requires high degree of liquidity which means keeping all the funds of the bank in cash reserves. But each see that the other funds of the bank in cash reserves. If the bank wants to remain in business totally safe, it must always be ready to make payments to the The liquidity problem of a bank can alternatively be described as liquidity-profitability dilenning.

a potential liquidity problem because their liabilities are more liquid than their assets. term, less liquid but more profitable assets, such as bonds, mortgages, etc. In this way, the banks face they create short-term highly liquid liabilities (products). They then use these liabilities to buy longer term less limid but more excellent. As financial intermediaries, the banks accept demand and time deposits (inputs). With these deposits, they create short-term history demand and time deposits (inputs). firms (a) they hire inputs; (b) they produce services for sale; and (c) they aim at maximising profils.

Liquidity problem is the basic and inherent problem of the banking business. Banks are business profitability, but the lowest liquidity ranking.

Investments are intermediate on the liquidity- profitability ranking. Finally, loans have the highest bills have very high and high liquidity respectively, but they earn very low and low profils respectively. Cash, for example, is perfectly liquid but earns no income. Money at call and short notice, and

PU	Lowest Very low Low Highest Highest	Highest Very high High Internediate Lowest	Cash Money at call and short notice Investments Investments	
	Profitability Ranking	Unidary Ranking	beză inst	

Table 2

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gaining validations and problems in season at

bank can be distinguished on the bank can be distinguished on beauty and profitability. A bank can earn income by foregoing its liquidity. Similarly, liquidity of the

L Liquidin Problem or Liquidin-Profitability Dilemma. There is an inverse relationship between : woled because is estimated the same of the confidence of the con

Sniblery-smooni wol allerenze ere strentzerm trevlee bue burph shigh

thelimi? travior to bimpil seed are anometering spilotory framen total militaring bea greater

There is inherent conflict between the three objectives of portfolio management, i.e., liquidity, Conflicting Nature of Liquidity, Solvency and Profitability

Among estimizatin of mortasbas selt in broditties of ten saint shad on to consider her orbiting denorm Todio al 20 viroldo vienniq odi to tero odi se torrotte el ver black viroldo resterme ell sittadio metrodini acoldo memino odi to reto odi i i sattrafo nad ten camin sin si menorate.

submitted from the state of the भव्यत और मुख्याम्पूर्त के इस्ते और हो देखा । स्थाप और

gaint no ai teco oldeines odt (d), dand odt dien erner û kerry od gainto roch mannen erner û new ren e. the many states of the burk of the manufacture manufacture of the burk depends in the same of the burk depends in the same of the varieties of has an experient sti teerini bluode dand odt eering eith vid engineum to ten est teen et energi terestine doos ni ebange dand odt to omoont ten oldentat manifaire de vid mater oldenten e bleer et and terms a constraint to chostrary when of hand set spinsors to the set than a secret as a hand but discussed to the chost find off secret side of spinsors to the set than a secret transfer. miso fainti Il someoni vo siliene aministra mus et a suit pilo soltra relativas seniad a a kail.

somes beingto vallen in seems my regres seathers then head who that in terrespo diminimity of the soft south with the 31 seek mention in this virturizate to kin a is with min a personal to that of littles within a seek mention of a seek mention of seek mentions. dimbent region of the found with the title of the order being to the virtual to the bound with the control of t good odd in tecrodin to other odd in sen a to ensanterago one words it estimates to when tributes with inter-

Inputations the shiftability of securities.

The problem with the shiftability theory is that the total liquidity of the entire banking system is that the total liquidity of the entire banking system is a simultaneously; when the same sellers simultaneously; when the same sellers in the same sellers is the same sellers are same sellers and same sellers are same sellers are same sellers. Amphasises the shiftability of securities infinidity, according to the shiftability theory, they look to use seeming the shiftability and imphasises the shiftability and the maturity of loans, whereas the shiftability in the maturity of loans, whereas the shiftability is stress on the maturity of loans, whereas the shiftability is stress on the maturity of loans, whereas the shiftability is stress on the maturity of loans, whereas the shiftability is stress on the maturity of loans, whereas the shiftability is stress.

Thus, whereas, according to the commercial loan theory, the bankers form inquidity, according to the shiftability theory, they look to their security portfolio for the inquidity, according to the shiftability theory, they look to their security portfolio for the inaturity of loans, whereas the shiftability theory. formers in a period of crists, a seeks to the leanthcory, the bankers look to their loan theory, the bankers look to their loan theory, the bankers look to their security portfolio for the formers in inquiring the shiftshility theory, they look to their security portfolio for the formers inquiring the shiftshility they look to their security portfolio for the shiftshility they look to their security portfolio for the shiftshility they look to their security portfolio for the shiftshility they look to their security portfolio for the shiftshility they look to their security portfolio for the shiftshility they look to their security portfolio for the shiftshility they look to the shiftshility they look to the shiftshility they security portfolio for the shiftshility they look to the shiftshility they security they security portfolio for the shiftshility they security they secure the security they secure the To usular for each as and when required. Liquidity in the last analysis unears are bother banks, when, in a period of crisis, a bank finds it difficult to shift its assets to the last resort, its, in a period of crisis, a bank finds its assets to the lender of the last resort, its, in a period of crisis, a bank finds its assets to the lender look to their loan theory, the bankers look to their loan theory, the last resort, it. Middle loss and a bank is liquid if it has sufficient quantity or assets the shiftsbillity to the last analysis means the shiftsbillity to the last analysis means the shift bits assets to other banks, and when required. Liquidity in the last analysis means the shift its assets to other last resort, its In shiftability theory gives a new and wider concept of liquidity. Liquidity means shiftability to assets which can be shifted with loss and a bank is liquid if it has sufficient quantity of assets which can be shiftability to a sufficient loss and a bank is liquid if it has sufficient analysis means the shiftability to a solution of the last analysis means the shiftability to a solution of the last analysis means the shiftability to a solution of the last analysis means the shiftability to a solution of the last analysis means the shiftability to a solution of the last analysis means the shiftability to a solution of the last analysis means the shiftability to a solution of the last analysis means the shiftability to a solution of the last analysis means the shiftability to a solution of the last analysis means the shiftability to a shiftability

The banks can be sold and shifted for necessary liquidity, the commercial banks to adopt the lamb lands are shifted for necessary liquidity. The application of the shifted lity theory enables the commercial banks to adopt the lamb lands. Sambrem lending. Leading Clearly can be sold and shifted for necessary liquidity, the banks can extend the period mily of banks depends not on the maturity of loans, but on the shiftability of assets. As long as es of those assets which can be easily sold or shifted to other banks for each without any loss. Littliability Theory. According to the shiftability theory, banks should purchase highly liquid

rate the commercial banks are expected to actively assist in the process of economic growth. and contract during recession. (c) The theory is unsuitable for developing countries in the money supply. The loans, and hence the money supply, will automatically increase simplyment may arise. (b) Such a policy of self- liquidating loans leads to automatic destabilising emple, in case of loan for movement of final goods, the goods may not find a market and the problem The commercial loan theory has certain drawbacks: (a) No loan is truly self-liquidating. For

increases, thus increases, thus increasing the money supply, and vice versa is thought to increase or decrease automatically with the needs of trade. When business activity the basis of this theory is that on the basis of this themoney, the money supply in sales liquidity- earnings problem. Self-liquidating short-term loans ensure both liquidity and profits The commercial loan theory has two advantages : (a) The drief advantage of the theory is that it

grante costs while repaid when the production process is complete or they will be repaid when the transaction FINANCE ONLY The production and movement of goods. Such loans are risk-free loans because either production the production propose is complete or the contract the production propose is complete or the contract that the production propose is complete or the contract that the production and movement of the production and production are productions. highed goods in transit to their final destination for resale. Thus, banks should limit themselves May Montaine to considered self-liquidating if it is secured by goods in the process of production or least A loan is considered to their final destination for tester and a first and a f Line Contains to this theory, the banks should grant only short term self liquidating productive from is considered self-liquidating if it is secured by goods in the productive 1 The Commercial Loan Theory or the Bill Doctrine. This is the traditional commercial banking from the traditional commercial banking.

yies of three theories of how a bank should manage the assets side of its balance sheet or but a bank should solve the liquidity problem:

mendes of Asset or Portfolio Management

where mours and minimising the risk consistent with the higher rate by select with the higher rate of return. that assets the hank strikes a balance between profitability and minimises the risk associated with the higher rate by selecting assets with the higher rate of return and minimising the risk consistent with the higher rate of return the rest of the restriction in a solution of the rate of profitability and minimizes the rake of business the rate of profitability and minimizes the rak secondles and minimizes the rak second to find and minimizer of funds and rake of the rake o the fame, mey run, mey red profitability and solvency by diversifying the employment refunds, and solvency by diversifying the employment of funds and regional assets - mix which maximises the rate of profitability and minimises the rick and the second of the contract of funds and the contract of the contract of the rate of the rate and minimises the rate and contract of the rate and contract of the rate and contract of the rate are contract of the rate and contract of the rate are contract. the first first they run the risk of greater fluctuation in the interest rates. The bank however, recondisciples considerations of profitability and solvency by diversifying the employment of profitability and solvency by diversifying the employment of fearth in aximises the rate of profitability. the optimum assolvency of the bank. Securities of longer maturity provide higher returns, but the fame, they run the risk of greater fluctuation in the interest rates. The bank however returns, but the interest rates. The bank however returns, but Assets that Assets which give higher rate of return, these assets certainly carry greater risk on profitability and anger the solvency of the bank. Securities of longer maturity provide hisher risk of greater fluctuation in the instruction provide hisher trak from the opinium assets which give higher rate of return, these assets certainly and the opinium assets which give higher rate of return, these assets certainly on the bank. Securities of lower of lowers of lowers of lowers of lowers of lowers of lowers. Finefility and Solvency. Conflict also exists between the objectives of profitability and Solvency. Conflict also exists between the objectives of profitability and Assets that yield higher income are generally riskier. Thus, if the bank wants to melicinate the conflict and the bank wants to melicinate the conflict and the part of the part

the decrease, and are conflicting objectives and the bank should sim at striking an optimizer words, the profitability and profitability while distributing its assets. In other words, the part should sim at striking an optimum and Solvency. Conflict also exists here decrease, and if it aftempts to increase earnings it it attempts to increase lightings decrease, and if it aftempts to increase earnings its liquidity decreases in other words, and profitability and profitability while distributing its analysis of striking an original and profitability while distributing its (sold) to obtain each. Thus, the bank faces a dilemma, it it attempts to increase earnings its liquidity, decrease, and it it attempts to increase earnings its liquidity, decreases in other underly. to set up Money Market Mutual Fund (MMMF) which would provide additional short-term avenue investors.

Money Market Mutual Fund : In 1991, the scheduled commerical banks in India were permitted to Money Market Mutual Fund (MIMIN) which were to make the state of the school paper (i.e. CDs) of various maturities, specifically of 3 months maturity at the short end and one at the long end.

1989 to enable commercial banks to raise additional funds from the market through the issue of market paper (i.e. CDs) of various maturities eneational funds from the market through the issue of market one year Certificates of Deposite: The scheme of Certificates of Deposits (CDs) was started in India in June to enable commercial banks to raise additional and the commercial panks to raise additional and the commercial an

short-term funds of non-bank financial institutions into the market for bank credit.

banking system for making loans and advances, particularly to large borrowers, and (b) attracting short-term funds of non-bank financial inceits.

The PCs are an important device for (a) making maximum use of funds within the commercial ing system for making loans and subsecting

supervised by RBL It was made permanent in July 1977 and all scheduled commercial banks were permitted to sell PCs. a part or whole of a loan made by it to its client. The PC scheme, which was started in July 1970, is supervised by RBL It was made point or whole of a loan made by it to its client. The PC scheme, which was started in July 1970, is as LIC, UTL, GCL, ICICI). PC is a deed of transfer through which a bank sells or transfers to a third party a part or whole of a loan made by it is is a loan made by it is a loan made whereby banks can raise funds from other banks and other RBI-approved financial institutions (such as LIC, UTL GCL, ICICII PC is a dark of the control of the party as LIC, UTL GCL, ICICII PC is a dark of the control of the control

Participation Certificates: The Participation Certificates (PCs) are a new form of credit instrument (such details, see liabilities side of the balance sheet of a bank in this chapter.)

central bank (RBI), (e) accepting or endorsing the bills of exchange on behalf of its customers. (For details, see liabilities side of the belones of the belong the behalf. other banks, non-bank financial institutions (like IDBI, NABARD, LIC, UII, GLC, ICICI, etc.) and the needs are as follows: (4) share capital, (b) reserve fund, (c) deposits from public, (d) borrowings from other hanks are the constant of the contract of the c

The important sources from where a commercial bank can raise funds for meeting their liquidity

funds from several different sources by creating additional liabilities against itself.

deficiency. According to the liability management view, an individual commercial bank may acquire can be borrowed (or bought) in the money market if the commencal bank experiences a reserve liquidating loans and liquidity reserves. The rationale behind this new theory is that reserve money theory of liquidity which argues that it is unnecessary to observe traditional standards in regard to selfthere is an increasing opportunity to manage their liabilities. During the 1960s, there emerged a new

Not only do the commercial banks manage the asset side of their balance sheet aggressively but Management of Bank Liabilities

provide greater liquidity as well as greater profitability.

new theory strikes a better balance between the objectives of liquidity and profitability; long-term loans (areany song carry while the term loans are liquidated by the anticipated income of the borrower. The or snort-ream tentung of the anticipated income theory. The short-term loans are liquidated by the (mainly long-term lending) in the anticipated by the short short income theory. This broader base includes for the commercial loan theory has been replaced by the concept of term lending of the commercial loan theory. The short-term loans are liquidated to the commercial loan theory has been replaced by the concept of term lending of short-term loans are liquidated to the commercial loan theory. anticipated income uneary provides long-term loans which regularly add to the bank's liquidity. The concept This broader base includes long-term loans theory has been replaced by the concept of form loans. theories regard loan portiones of the base of securities from which liquidity can be obtained anticipated income theory provides a broader base of securities from which liquidity. The anticipated income theory provides a broader base of securities from which regularly add to the bank's liquidity. The

In essence, the anticipated income are the source of liquidity. The only difference is that the theories regard loan portfolios of the banks as the securities from which liquidity can he also the one. ipaled income theory its similar to the commercial loan theory. Both the In essence, the anticipated income theory is similar to the commercial loan theory. Both the In essence, the anticipated income theory is similar to the commercial loan theory. uniows or runds. Tries that the commercial banks to adopt long-term lending, anticipated income theory has enabled the commercial banks to adopt long-term lending.

borrowers repay the loans in a series of trade ensure the liquidity of banks. Clearly, the application of the inflows of funds. These inflows of funds commercial banks to adopt long-term lending of liquidity. Commercial banks will nave sufficient that provide the banks predictable and continuous of liquidity of banks. Clearly, the application continuous borrowers repay the loans in a series of funds ensure the liquidity of banks. Clearly, the application of the borrowers repay the loans in a series of funds ensure the liquidity of banks. depends upon his anticipated future income. The diductity even by advancing long-term loans, if the depends upon his anticipated future income in that provide the banks predictable and continued to the liquidity. Commercial banks will have sufficient that provide the banks predictable and continued to the liquidity. the maturity nor the shiftability of the roun. This theory treats long-term loans as potential sources depends upon his anticipated future income. This theory treats long-term loans sources depends upon his anticipated future sufficient liquidity even by advancing long-term loans. in America. According to this theory, the loan, but the repaying capacity of the borrower which largely the maturity nor the shiftability of the loan, but the theory treats long-term loans as potential argely the maturity nor the shiftability of the loan. This theory treats long-term loans as potential argely the maturity nor the shiftability of the loan.

3. Anticipated Income Theory. Lynnig granting loans, take into consideration neither in America. According to this theory, the banks, while granting capacity of the borrower which law in America. According to this discording of the loan, but the repaying capacity of the borrower which law in America. 3. Anticipated Income Theory, During 1950s a new theory of bank management was developed a horidopated into consideration noint. liquidity of the economy at the time of crisis.

one bank seus its assets to sell their assets to the central bank its required to increase the total of take such and they attempt to sell their sentral bank. Thus, the central bank is required to increase the total banking system is increased by the central bank. Thus, the central bank is required to increase the total bank is increased by the central bank. Thus, the central bank is required to increase the total bank is a fact that the central bank is a fact to the central bank. Thus, the central bank is required to the central bank is a fact to the central bank. Thus, the central bank is a fact to the central bank is a fact to the central bank. Thus, the central bank is a fact to the central bank is a fact to the central bank. Thus, the central bank is a fact to the central bank is a fact to the central bank. Thus, the central bank is a fact to the central bank one bank sells its assets, the other bank buys. In mites of across the liquidity, the liquidity of the entral bank is required to increase the buy attempt to sell their assets to the central bank is required to increase the buy of cash and they attempt to sell their assets to the central bank is required to increase the buy of cash and they attempt to sell their assets the bank. Thus, the central bank is required to increase the buy. one bank sells its assets, the other bank buys. In times of depression or crises, when all banks are short one bank sells its assets, the other bank buys, the central bank for liquidity, the liquidity of the sell their assets to the central bank is required to its the same short of the sell that the sell their assets to the sell their assets to the sell the sell their assets to the sell that the sell their assets to the sell their assets to the sell that the s

MONEY BANKING AND INTERNATIONAL TRADE

the process of making loans or through insectment in securities." Accounts of credit."

of derivative deposits is identical with what is commonly called the creation of credit." The dit creation reserves to the power of commercial banks to expans seconds to Halm, The process of making loans or through investment in securities." According to Halm, The wiften of creation of creation of creation of creation of derivative derivatives. May her apply called the 'factories of credit' or 'manufactures of money. It is because of credit' or 'manufactures of money. The would bank to expand secondary deposits either would be to expand the process of the power of commercial banks to expand secondary deposits either would be to expand the process of the power of commercial banks to expand secondary deposits either would be to expand the process of the power of commercial banks to expand secondary deposits either would be to expand the process of the power of commercial banks to expand secondary deposits either the process of the power of commercial banks to expand secondary deposits either the process of the power of commercial banks to expand the process of the power of commercial banks to expand secondary of credit. The have been apply called the 'factories of credit' or 'manufactures of money, in the words of the military bears apply called the 'factories of credit' or 'manufactures of money, in the words of the halm. The manufacture are apply called the 'factories of credit' or 'manufactures of money. The condaint create the 'factories of credit' or capand secondary deposits either works and the 'factories of credit' or capand secondary deposits of the 'factories of credit' or capand secondary deposits of the 'factories of credit' or capand secondary deposits of the 'factories of credit' or capand secondary deposits of the 'factories of credit' or capand secondary deposits of the 'factories of credit' or capand secondary deposits of the 'factories of credit' or capand secondary deposits of the 'factories of credit' or capand secondary and capand secondary or capand secondary capand secondary or capand s and hence deposits. With a little cash in hand, the banks can create administrate connected the connected of money. In the words of manufactures of money. In the words of manufactures of money, in the words of manufactures of money. dyance and hence deposits. With a little cash in hand, the banks can create additional purchasing the panks can create additional purchasing the panks can create additional purchasing the commercial and hence deposits. With a little cash in hand, the banks creating power that the commercial that the contraction is a second of the panks of th In nut-shell, credit creation refers to the unique power of the banks to multiply loans and and and hence and creation refers to the unique power of the banks can create additional purchasing and hence described to the unique power of the banks can create additional purchasing the banks can create additional purchasing the banks can create additional purchasing the banks of the b se anultiple of its reserves.

whipe expansion of bank deposits. The word 'creation' refers to the ability of the bank to expand wound Every bank loan creates an equivalent deposit in the bank Thus, credit creation means while pank loan creates an equivalent deposit in the bank Thus, credit creation expand earnetium reserve for meeting the demand of the depositors and return to only dredited in his same income. The bank loan is not paid directly to the borrower but is only dredited in his same to the bank. Thus, credit creation means to the bank in the bank. Thus, credit creation means to the bank in the bank. building reserve for meeting the demand of the depositors and lends out the remaining excess Bank credit means bank loans and advances. A bank keeps a certain proportion of its deposits within the remaining excess (a) confidence, (b) character, (c) capacity, (d) capital, and (e) collaboral of the debtor.

from the loan and so decides to give the loan. Advancing credit or loan essentially depends upon be(s) confidence. dayed from a Latin word 'credo', which means 'I believe'. The creditor believes that the depends upon Monymous; a edit or loan is the liability of the debtor and the asset of the bank. The word are dived from a Latter policy of the debtor will the on account of an immediate transfer of goods." In a sense, the words credit, debt and loan are whiled as the right to receive payment or the obligation to make payment on demand or at some future L, money) now by a promise to pay at some time in future. In the words of Kent, "Credit may be The whole structure of banking is based on credit. Credit means getting the purchasing power

apply and the expansion of demand deposits means expansion of money supply. tom other non-bank financial institutions. Demand deposits are an important constituent of money mation and the ability of the banks to expand the deposits makes them unique and distinguish them mage the payments system of the country. In short, multiple expansion of deposits is called credit deposits of the banks serve as the principal medium of exchange, and, in this way, the banks bespand their demand deposits as a multiple of their cash reserves. This is because of the fact that A bank differs from other financial institutions because it can create credit. Banks have the ability

NOTA STATEMENT

of the bank cannot be sacrificed to earn more profile. importance, while that of profitability, is of secondary importance; inquidity and solvency (b) A sound bank keeps in mind that the consideration of liquidity and solvency are of primary (c) A sound bank keeps in mind that the consideration of liquidity and solvency are of primary

A source is achieved and the risk consistent with that higher return is minimised. Light A sound bank diversifies its assets portfolios in such a way that a higher and stable level (iii) A sound bank is achieved and the risk consistent with that higher and stable level

A sound by and profitability are satisfied to the maximum possible extent. A sound bank wisely distributes the assets in such a way that both the requirements of (ii) A sound bank wisely are satisfied to the maximum possible averaged in the requirements of

soilotroq eti gangenem əlinw A sound solvency and profitability, and strick a sound and optimum balance between them liquidity, solvency its portfolios. sound bank is that which is able to judiciously reconcile the conflicting objectives of intuitity, solvency and profitability, and strick a sound and optiming objectives of

Balle dealing with the portfolio management, an ideal or sound bank possesses the following

Anag Lines Anaga Lines. of Euro-dobases of Luc-dobases. This market is located in Europe, market which leads in U.S. dollars. This market is located in Europe, market in Lucals in Europe, mainly in pollar Manner. Euro-dollars. Euro-dollars market is an international short term money market which the portowing and lending of U.S. dollars. This market is located in Euro-dollars. Dollar Market: At the international level, commercial banks can also acquire funds through of Euro-dollars. Euro-dollars of U.S. Achier and lending of U.S. Achieved

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: vicepts is necessary:

rough loans and advances from the deposits.

Table 3 : Credit Creation by a Single Bank Counterword of the cash-reserve ratio, i.e. 20%) is 5 and the credit creation (or the total derivative deposits, respection) is five times the initial excess reserves (i.e., ₹ 800). The process of credit creation in a single start of the cash-reserve in a single start of the cash-reserve ratio. 8)

LEIOT 1000 0009 010 (D) HOSLAD 102 212 (2) Letzon (C) 512 049 128 (B) Housed & (Anitial excess reserves AR) 01/9 160 008 ₹ 800 (chicoqeb (naming laihin) (A) nosiga ₹ 500 (QA) sheoqed Credit Creation or Derivative 1000 ₹ 1 = 50% spunou Cash Reserves Deposits

Table 3 shows the following points: (a) On the basis of the cash-reserve ratio of 20% and with 0000

 $=\frac{1}{Cash-reserve ratio (r)} = \frac{1}{2} = 5$ (c) The credit multiplier will be 5, i.e., \$ 1000). (c) The credit multiplier will be 5, i.e., which plans of the following blus derivative deposits). (b) The credit expansion is five times the initial excess reserves (i.e. \$ 800). (c) The credit expansion Table 3 storms deposit of ₹ 1000, the bank creates derivative deposits (i.e., credit) of ₹ 4000 and with the minist primary deposits (i.e., primary plus derivative deposits (i.e., credit) of ₹ 4000 and the

multiplier is the reciprocal of cash-reserve ratio. If cash-reserve ratio is 20% then multiplier is : k = 1/r; where k is the credit multiplier and r is the cash-reserve ratio. Thus, credit Credit creation depends upon the ratio of cash reserves to deposits. The credit or the deposit Credit Multiplier

and the higher will be the credit multiplier. The higher the cash-reserve ratio, the lower will be the credit multiplier; the lower the cash reserve $S = \frac{1}{2} = \frac{1}{1} = X$

Mential area area area in the initial excess reserve (AR) multiplied by the credit multiplier (k) or The additional aggregate deposits (AD) or the creation of derivative demand deposits or the

the inverse of cash-reserve ratio (1), i.e.,

$$\frac{\Delta R}{\tau} = A \Delta R = \Delta R$$

$$\Delta D = D \Delta R = \Delta R$$

 $^{\text{Miere}}$, $\Delta D = D$ erivative deposits;

requirements. AR = Initial excess reserves which are measured as initial primary deposits minus reserves

Cash-reserve ratio; and

K= Credit multiplier

L'ior example, the commercial banks get new deposits of ₹ 10 crore and the cash-reserve ratio

 $\Delta D = \frac{1}{V} = \frac{10 \text{ crore} \times 5 = 7.00 \text{ crore}}{V} \times D = \Delta R / V, \text{ can be derived in belowing manner:}$ $\Delta D = \frac{\Delta R}{\tau} = \frac{7.0 \text{ crore}}{\tau} \times 5 = \frac{7.0 \text{ crore}}{\tau}$

(i.e., primary plus derivative), we get total deposits of 7 5000. Here credit multiplier (which is the

lead to additional (derivative) deposits of ₹ 800 + 640 + 512 +... = ₹ 4000. By adding up all the deposits or or or will continue till the initial primary deposit of ₹ 1000 and the initial excess reserves of ₹ 800 and 20% of 7 640 (i.e., 7 128), the bank advances 7 512 (i.e., Rs 640-128 = 512) to person D, and so on. This 7 800 (i.e., 7 160), the bank advances the remaining 7 640 (i.e., 7 800-160) to person C. Similarly, keeping the remaining ? 800 to person B by opening a credit account in his name. Again, keeping, 20% of it to meet the day-to-day cash demand. Thus, after keeping 7 200 (i.e., 20% of 7 1000), the bank lends deposits ? 1000 with the bank, the bank does not keep the entire cash in reserve but only the 20% of

credit creation by a single bank can be illustrated with the help of a hypotherical example: operates and all the cash deposits and cheques are to be made with this bank alone. The process of and (b) credit creation by the banking system as a whole in the single bank system, only one bank

The process of credit creation can be analysed in two ways: (a) credit creation by a single bank; Credit Creation by Single Bank Credit multiplier is the reciprocal of cash-reserve ratio, i.e., credit multiplier = 1/cash-reserve ratio.

and the initial amount of excess reserves is known as the credit multiplier. If the initial excess reserves

be a multiple of the initial excess reserves. The ratio between the total amount of derivative deposits

the process of multiple credit creation, the total amount of derivative deposits created by the banks will

It is the excess reserves out of which the loans are granted and thereby the credit is created. eserves. Excess reserves are equal to total reserves (or total deposits) minus required reserves.

n cash reserves for meeting the depositors' demand for cash is called cash-reserve ratio.

supply in the form of bank deposits is increased.

5. Credit Multiplier. The banks can multiply a given amount of cash to many times of credit. In

4. Excess Reserves. The reserves that a bank holds above the required cash reserves are called

he remaining excess deposits. The percentage of total deposits which the banks are required to hold

hey keep a fraction of the total deposits for meeting the cash demand of the depositors and lend out experience, they know that all depositors will not withdraw all deposits at the same time. Therefore,

3. Cash-Reserve Ratio. The banks need not hold all their deposits in reserve. From their general

deposits means creation of credit (or money). With the creation of these deposits, money creating derivative deposits, they are also called active deposits. Creation of derivative

been derived from the loan transaction of the bank. Since the bank plays an active role in

derivative deposit Every loan creates a deposit. It is called derivative deposit because it has giving cash to the borrower, opens a deposit account in his name. This is secondary or

primary deposits form the basis for the creation of credit (or money). It is out of these deposits money). These deposits simply convert currency money into deposit money. However, the regards this account. The creation of primary deposit does not mean creation of credit (or

account in his name it is called primary or passive account. The bank remains passive as

(i) Frimary Deposits. When a bank accepts cash from the customer and opens a deposit

2. Bank Deposits. Bank deposits form the basis for credit creation. Prof. Halm has classified

L Bank as a Businesse Institution. Bank is a business institution which aims at maximising profits

eposits into two types: (a) primary deposits; and (b) secondary or derivative deposits.

(ii) Secondary or Derivative Deposits. When a bank grants loans and advances, it, instead of

 $\delta = \frac{0000}{000I} = \frac{\text{Supositive deposits}}{\text{excess reserves}} = \frac{5000}{1000}$ Credit multiplier = Tritial excess reserves

of ₹ 1000 produce total derivative deposits of ₹ 5000, then the credit multiplier is 5.

Suppose the customary cash reserve ratio maintained by the bank is 20%. Now,if person A.

(?)...

(1)

(2)

(2)

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Third Printary deposits of \$ 1000 in bank A leads to the expansion of test deposits of the of Initial excess reserves of \$ 800 create multiple derivative deposits of the office of the expansion of test deposits of the office of the office of the office of test deposits of the office of the offic 4004 + 040 + 040 + 040 process of credit creation by the banking system it makes clear the following.

Table 4 illustrates the process of credit creation by the banking system it makes clear the following. (80) + 640 + 512 +... ? - (00), i.e., 9 times of the initial excess fractive (Ab) by the banking symptom to the deposits (Ab) in the banking symptom to the first only in the factor of the first only in the factor of the factor Thus, credit creation or the creation of the derivative deposits (AD) by the banking system will the total to the banking system will be to the banking system of the banking system

\$5000, (9) in the first the initial excess reserves (i.e., \$ 800) (4) the cred feeling (i.e., \$ 800) (4) the cred reserves (i.e., \$ 800) (4) the cred multiplier. (ii) Initial excess reserves of \$ 800 create multiple derivative deparation of total deposits of \$ 4000, (b) Initial excess reserves of \$ 4000 is five finite the initial excess reserves to \$ 5 assurant to (c) one \$ 5 assurant to (d) and (e) one \$ 5 assurant to (e) one \$

Cotal derivative deposits (AD) 4000 2 - (AR) escress necesses faithful

Table 4: Multiple Credit Crestion by Sanking System

Credit Creation 1 20% or Derivative	Cash Reserves	Primary Deposits	syu 09
Deposits (AD)		0001 5	
7 800 (Innial excess reserves AR) 640 512 014	200 \$	(Initial primary deposits) 800 640 512	_ 0 0 8
_	_	_	
4000	1000	2000	latoT

Destruction of Credit

as the process of credit creation, but works in the opposite direction. in the banking system are reduced by ₹ 5000. Thus, the process of credit contration is exactly the same of 7 640 in bank C and so on. This process of credit contraction will continue till the total deposits 20%, an initial reduction of 7 1000 in bank A will lead to a reduction of deposits of 7 800 in bank B, reserve ratio, smaller will be the credit destruction. For example, assuming the cash-reserve ratio to be reserve ratio. Higher the cash-reserve ratio, greater will be the destruction of credit; lower the cashthe banks can destroy credit by reducing loans. The extent of destruction of credit depends upon eash-Banks create credit by granting loans (i.e., by creating derivative deposits) to the public. Similarly,

Theoretically, the banking system can create unlimited amount of credit through expansion of Umitations of Credit Creation

number of limitations as explained below: deposite, but in reality, the powers of banks to create multiple credit or deposits are subject to a

The higher the cash-reserve ratio, the smaller will be the volume of credit creation and vice versa. 2. Cash-Reserve Ratio. The size of credit multiplier is inversely related to the cash-reserve ratio. Manific system is manipulated." Thus, the power to create credit is limited by the bank's cash. greation, and vice versa. In the words of Crowther, "The bankers' cash is limited by the bank's cash. possessed by the banks. Larger the amount of each with the bunking system, greater will be the credit I. Amount of Cash. The extent of credit creation primarily depends upon the amount of cash

3. Leakages. The actual credit creation by the banking system may be considerably smaller than

he potential credit creation due to certain leakages.

bank A leads to the multiple expansion of total derivative deposits of 7 4000 in the entire bankins creation of total deposits (primary plus derivative) of 7 5000 and the initial excess reserve of 7 800 in This process will continue until the initial primary deposits of 7 1000 with bank A lead to the

\$ 512 (i.e., 7 640 minus 20% of 7 640 = 7 512) in bank C. of 7 640 in bank C, which, in turn, leads to the creation of excess reserves and derivative deposits of of 7 640 by cheques to some people who are the customers of Bank C. This creates the primary deposits into derivative deposits by giving loans to borrowers. Further, the borrowers from bank B make payment the excess reserves of bank B are 7 640 (i.e., 7 800 minus 20% or 7, 800 = Rs 640) which it converts of 7 800 by cheques to other people who are the customers of bank B. The cash-reserve ratio being 20%, to its initial excess reserves of 7 800 by grating loans to the borrowers. The borrowers make payments

reserves of ₹ 800 (i.e., ₹ 1000 minus 20% of ₹ 1000 = ₹ 800). The bank creates derivative deposits equal with the initial primary deposit of 7 1000 and the cash-reserve ratio of 20%, bank A has initial excess

The process of multiple credit creation can be explained with the help of an example. Suppose, many times more than the initial excess reserves is called multiple credit creation. of derivative deposits by the banks receiving cash. This process of the banking system to increase credit

the banking system creates, in turn, primary deposits and increases the possibility for a further creation the loss of deposit of one bank is the gain of deposit by some other bank. This transfer of cash within of each created for it. When an individual bank creates derivative deposits, it loses each to other banks do what a single bank cannot do. The banking system can grant loans many times the excess reserves a single bank cannot lend beyond the amount of excess reserves, the banking system as a whole can

because the banks actually hold some excess reserves and parity because the borrowers from the banks real world money multiplier is only about one-third of the maximum money multiplier. This is partly But, in the actual world, the maximum multiplier is never achieved. Empirical estimates show that the The reciprocal of the required cash-reserve ratio gives the maximum credit (or deposit) multiplier.

(ii) There is a well-developed banking system in the country and the people have banking habits.

(ii) The banks adjust their assets in such a manner as to maintain a fixed relationship between (i) The cash-reserve ratio remains constant through all the stages of credit creation process.

Assumptions. The credit multiplier is based on the following assumptions:

 $-[AA^{-n}(\tau-1) + ... + AA^{-1}(\tau-1) + AA^{-2}(\tau-1) + AA^{-1}(\tau-1)] = AA - \tau AA - AA - AA$

 $AA^{n}(x-1) + ... + BA^{n}(x-1) + BA^{n}(x-1) + BA^{n}(x-1) = GA^{n}(x-1)$

A STATE OF THE PARTY OF THE PAR

 $3A^{-1-n}(1-1) + \cdots + 3A^{-2}(1-1) + 3A + (1-1) + 3A = CIA$

turned into derivatives through granting loans (b) the derivative deposits, in turn, become (iii) There is no leakage in the credit creation process. This means (a) the excess reserves are

 $||\mathsf{JAA}||^{1-n}(\tau-1)+\dots+\mathsf{JA}|^{2}(\tau-1)+\mathsf{JA}|(\tau-1)+\mathsf{JA}||_{1}$

In the real world, there are many banks in existence comprising multiple banking system. Whereas

primary deposits with the banks.

their deposit liabilities and cash reserves.

Suff sees of sheet \$L "(t - I) to value of the a ready 1. n(+ - 1) + AL = = +QL =

Subtracting Equation (1) from (2)

1 - 1 vd (1) notioned grivletiluM

Multiple Credit Creation by Banking System

(vi) There exist normal business conditions in the country. (v) The central bank does not adopt any credit control policy.

do not keep the entire amount of loan money in the banks, thus leading to currency drain.

Flactocally deposits of the banks are many times more than their cash reserves. (ii) Practically, on the basis of empirical evidence of the U.K., Crowther points out that in reality bank and thus increase the cash reserves of that bank. This leads to multiple credit creation. the bank of the loan money withdrawn from one bank will be deposited in some other as the cash reserves of that have the cash reserves of that have the cash reserves of the cash that have the cash reserves of the cash that have the cash that the cash that have the cash that the cash reserved.

The loan money withdrawn from deposits as a multiple of the original A surgice because the borrowers will withdraw their loan money for making payments. But teserves because the as a whole can create derivative on money for making payments. But partices. So hank may not be able to create derivative deposits (or loans) more than its excess.

A single bank may not be able to create derivative deposits (or loans) more than its excess Theorement it loses its strength when the banking system as a whole is taken into consideration. Theoretically, Leaf-Cannon argument may be valid from the point of view of an individual

Hart is set by the amount of cash available." removed the first stage there cannot be any doubt that the banks 'create' their deposits. The only practically, beyond the first deposits. The only practical Thus, Crowther concludes: "To any body who analyses the matter, either theoretically or practically,

Drastic changes have been experienced in both theory and practice of commercial banking the NEW TRENDS IN COMMERCIAL BANKING

repay the loans in series of continuous instalments. The application of shiftability theory and the the banks can solve their liquidity problem even by advancing long-term loans if the borrowers besselly shifted to other banks in times of need for liquidity. According to the recent anticipated income theory require the blanks to solve their liquidity problem by purchasing highly liquid assets which can liquidating loans secured by goods in the process of production or goods in transit. The shiftability commercial loan theory, the banks can ensure sufficient liquidity by granting only short-term selfadieve the two conflicting objectives of liquidity as well as profitability simultaneously. According to All the three theories attempt to resolve the liquidity-earning problem of the bank, i.e., how a bank can completely discarded and has given place to the modern shiftability and anticipated income theories. I. New Developments in Banking Theory. Traditional commercial loan theory has now been world over specially in the post-war period. Major changes are discussed below:

needs and other situations; (c) costs are often lower than those of alternative sources of such funds: sound long-run relationship; (b) maturities and conditions can be altered to fit changes in borrowing seeds and conditions than those of alternative sources of such funds: borrowers are: (a) negotiations can be conducted privately with a lender interested in promoting a borrowers are: (a) negotiations can be conducted privately with a lender interested in promoting a borrowing. working capital in industries where the production is long. Other advantages of term-loans to the working capital in industries where the production is long. Other advantages of term-loans to the working capital in industries where the production is long. deinvestment will not be sufficient to repay a short-term loan. They are also used to supplement the used to purchase machinery and equipment for the industries where the expected income flow from dways repaid on an instalment basis. The term loans are also beneficial to the bornous flow from not only increase earnings of the banks, but also improve their liquidity because such loans are almost loans in the U.S.A. and the U.K. Term loans are loans with a longer maturity than one year. Term loans were virtually non-existent until 1930s now constitute more than one-third of all commercial bank Dimprove their earnings, many banks decided to extend the term of their loans. The term loans which L'Term Lending. In the post-war period, the liquidity of banks increased enormously. In order ending business along with providing sufficient liquidity. anticipated income theory has enabled the commercial banks to adopt medium-term and long-term

durable goods on instalment basis, is another from the banks by hypotheticating their from the dealers selling on hire-purchase get advances from the banks by hypotheticating their purchase Purchase Finance. Hire purchase finance, which tests to us development in commercial purchase of durable goods on instalment basis, is another post-war development in commercial mandage of durable goods on instalment and another from the banks by hypotheticating their partial first the durable goods of the partial first properties of durable goods on instalment and another first properties of durable goods. 3 Hire Purchase Finance. Hire purchase finance, which refers to the credit facilities for the be senting medium term and long-term loans to industry and date; portfolio new issues of departures, preference shares etc. be met, since the World War II, banks have greatly and trade; they have been subscribing in their portfolio new issues of the course medium term and long-term have been holding in their portfolio new issues of the course. In fact, since the World War II, banks have greatly diversified their banking business. They have and (d) funds are borrowed only when needed and can usually be repaid in advance without penalty.

than he has of his own plus he has to other people's".

1. Edwin Cannon: Economist's Protest p. 250.

There are at least two such leakages in the credit creation process:

a recession. The greater are action multiplier mechanism assumes that the amounts of loans (ii) Currency Drains. The credit creation multiplier mechanism but the public may not be an income. a recession. The greater the excess reserves, the smaller the credit multiplier. toans and may decide to maintain correct takes or (b) when the economy is heading towards feat of significant rise in future interest rates or (b) when the credit multiplier. excess keserves. The panes may have reserves, Such a situation arises (a) when there is loans and may decide to maintain excess reserves. Such a situation arises (a) when there is nere are at least two such reaches in the banks may not be willing to utilise their surplus funds for granting (i) Excess Reserves. The banks may not be willing to utilise their surplus funds for granting (ii) Excess Reserves.

This cash withdrawal or currency drain reduces the power of the banks to create credit. granted by the bands fething the bands and may withdraw some cash to hold it with themselves, whole amount of loans in the bands and may withdraw some cash to hold it with themselves, Currency Urains. The cream creation may not new deposits, but the public may not keep the granted by the banks return to them by way of new deposits, but the public may not keep the

extent of credit creation depends on the availability of borrowers. If there are no borrowers, there will 4. Availability of Borrowers. Banks create credit by means of loans and advances. Therefore the

the power of the bank to turn other assets into money (i.e. to create credit) is restricted by the availability "the bank does not create money out of thin air; it transmutes other forms of wealth into money." Thus, 5. Availability of Securities. Bank loans are granted against securities. In the words of Crowther, be no credit creation.

6. Credit Policy of Other Banks. All banks may not adopt the same credit policy. If some banks of good securities.

creation in the country will be limited to that extent. decide not to utilise their full capacity for credit creation and keep large cash reserves, the credit

the large expansion of banking facilities, the banking habits are more conductive to credit creation than habits, in turn, depend upon the development of banking system. In the developed economies due to cheques, the banks will be left with a smaller cash and there will be lesser credit creation. Banking influence the extent of credit creation. If people prefer to make transactions through cash and not by 7. Banking Habits. Development of banking system and the banking habits of the people also

from banks, credit creation will be very small. On the other hand, during the period of business During depression, when due to low profit expectations businessmen do not come forward to borrow 8. Business Conditions. Credit creation is further limited by the nature of business conditions. in developing economies.

during business prosperity. will be greater creation. Hence credit creation will be smaller during depression and larger prosperity, the profit expectations are high, the businessmen approach the banks for loans and there

It can use various methods of credit control to influence the banks to expand and contract credit. central bank of the country. The central bank has the power to influence the money supply in the country. 9. Monetary Policy. The extent of credit creation largely depends upon the monetary policy of the

Dr. Walter Leaf and Prof. Edwin Cannon raised a serious objection against the theory of credit Leaf-Cannon Criticism

cannot grant loans more than the cash deposited by the customers. the bank. Banks create credit only because the depositors do not withdraw their deposits. The banks of credit. They are of the opinion that the initiative to create credit lies with the depositor and not with creation. According to them, it is wrong to say that banks can create credit or are the manufacturers

umbrellas than have been entrusted to him and the most reckless banker cannot lend out more money of depositors in the words of Cannon, "The most abandoned cloak room attendent cannot lend out more at one time, it does not imply that the bank has created money; it has only lend out the deposit money carns interest on it on the basis of its experience that all the depositors do no withdraw their money created 90 umbrellas ? The answer is : no. Similarly when the bank lends a part of its deposits and of the night and thus can some money. In such a case, can it be said that the counter-man has can therefore keep 10 umbrellas with him and rent out the remaining 90 umbrellas for the duration The man at the counter knows by experience that only 10 members require unbrellas for an hour. He club every night. Each member brings one umbrells which he deposits at the counter of the cloak room. Dr. Cannon finds no difference between a bank and cloak room. Suppose 100 members visit the

1. Bajwa K.S. issues before Banks in Computerisation, PNB Montly Review, November, 1988.

March, 1997. At the end of June 1996 1,394 branches were fully computerised.

computerisation. Of these around 2,900 branches were identified for full computerisation by end of March, 1997. At the end of June 1996 1 304 has a period of June 1996 1 304 has been identified for full computerisation by end of of this agreement as on June 30, 1996, 4,523 branches of public sector banks were eligible for computerisation. Of these around 3 on beanches of public sector banks were eligible for between the Indian Banks' Association (IBA) and the employees' unions in October, 1993. As a result of this agreement as on tune 30 1004 (223) Computerisation of branch operations got a major boost in 1993-94 consequent on the agreement een the Indian Banks' Association (1993-94).

had also installed 218 mini-computer systems at their regional/zonal offices. instal 5,480 Advanced Ledger Posting Machines (ALPMs) at their branches. As on the same date, bands had slso installed 218 mini-communications. and bank employees unions entered into an agreement whereby public sector banks were allowed to should also also also also allowed to the short of t and opposition from the bank employee's unions. In March, 1987, the Indian Banking Association (IBA) However, nothing much could be achieved in this direction due to lack of infrastructure facilities

computerisation at branches in metropolitan and urban areas in a phased manner. for mechanisation of banking services. Initially the banks were advised to infroduced mechanisation. of eleven members with Dr. C. Rangarajan, Dy. Covernor of RBI, in 1984, issued detailed guidelines programme for the banking industry keeping in mind its future expansion. The committee comprised As back as in July 1983, the Reserve Bank of India appointed a committee to draw a phased

Reserve Bank and Computerisation

is being done by the RBI to certain extent as given below. organisation for commercial bank. The Reserve Bank of India can play a lead role in the respect. This different from those in other disciplines, it will be useful to develop an apex computer consultancy suggest that since the requirements of commercial banks in the fields of computerisation are quite therefore, the bank employees must be prepared to provide a better service. It may be useful here to industry and those who are outside to extend helping hand in it. Banking is a service industry and energy and resources. However, errors of judgement should not deter those who are in the banking computerised, if it has to move forward. Of course, effective computerisation will take quite some time,

In spite of all these limitations, there is no denying the fact that banking industry has to be facilities. This all results in improper and under-utilisation of computer facilities. security of data and restricted access to computers. The Indian Banks lack in respect of many of these unastructural facilities c.g. appropriate equipment, qualified man-power, continuous power supply,

6. Lack of Infrastructural Facilities. Effective computerisation requires certain basic efforts are made to educate the bank staff about the utility of computers through all available means. feature is "resistance to change". In order to overcome this difficulty, it is necessary that sustained work experience, business, and the differs marginally from bank to bank. However, one seature is common. This computer cutime. Computer Mass its own distinct culture developed over the last hundred year. is necessary district used severage and in the severage culture permeates gradually into an organisation through continuous computer culture. Computer culture permeates gradually into an organisation through continuous is necessary that the users develop an appreciation for understanding the computer intrinsacies and

t stress and in many cases the order to get maximum benefits from the computerised system it

situated table of they are not in a position to adhere to the declared schedule. Reserve Bank of thats to computer professionals to work under shorter time than what is possible in many cases. This puts in computer professionals to work under shorter time than what is possible in many cases.

A. Un-realistic Time Schedules. They are keen to achieve results in much Reserve Bank of India to computerize banking operations. They are keen to achieve results in much Reserve Bank of India to computerize hand cases. This puts in computer professionals to work. surputer knowledge to the user a There is tremendous pressure from Covernment of India and of computer knowledge to the user department has made this task quite problematic.

3. Estimation of Work Load. in Othe work load. The absence of any past experience and a lack necessary to make a correct estimate of the work load. The absence of any past experience and a lack necessary to make a correct estimate denomination has made this task quite problematic. the purpose 3. Estimation of Work Load. In order to make optimum utilisation of computer capacity, it is

extent can be solved by adopting the policy of create problems in developing appropriate software. However, changing of hardware quite often will create problems in developing appropriate software. This makes purchasing computer equipments a computer system on lease or rental basis, extent can be solved by adoping the policy of acquiring problems in developing appropriate contacts. amounced regularly. A computer system purchases the management decision. This problem to some Infinite makes purchaseng computer system on lease or rental hand. world. The rate of technology obsolence is very tught may become obsolete in the next two years amounced regularly. A computer system purchased foday management decision. This problem to same 2. Changing Technology. Computer technology and new products and processes are being world. The rate of technology obsolerce is very high and new products and processes are being world. The rate of technology obsolers in the next two vessel 2 Changing Technology. Computer technology is undergoing very rapid changes all over the

MONEY BANKING AND INTERNATIONAL TRADE

Since national support a space as shown as specially and the matter of the special spe Pest Performance of Indian Banking

- stopes were size her believe respond more sympton regional yand ou send ous existental
- **Sovernment** (iv) While taking investment decisions, the firms need not obtain prior seating times the they are to produce.
- (iii) Producers are free to decide, on the basis of the conditions in the market, what commodity
- Select set to a second of the control of selections and selection of the s
- other industries, no horning is required. (i) Excepting 18 industries, all other industries were deformed in other words, so set up fees
 - The following liberalisation measures were taken under the new economic pubry:
 - restrictions and malding them more competitive and efficient
- Sovernment (1991). Liberalisation means liberalisate the trade and means increased in the contraction of the Economic liberalisation is the most important aspect of the new eccenture points of the

Economic Liberalisation

indude monetary and fiscal policy reforms.

2 Stabilisation Reforms. These reforms reste to onsorbing the design and

system of the country. They include : (4) liberalism, (5) privates of the country. L Structural Reforms. These reforms ness to conscience are sayed size of the surround.

Various reforms under the new economic policy (1991) way be broadly devided into two pasts:

of the new economic policy, various reforms have been imprined in the induced in the policy, rade policy, economy as a means to improve the productivity and effects of the same as a means to a second The thrust of the new economic policy is towards creaters a more constant of the contract of t

policy, fiscal policy and monetary policy to be smally seeded; (g) being to be decided bridge are specied in place of public sector; (c) private foreign in the sector is (c) private foreign in the sector is sector in the sector is sector in the sector is sector in the sector in the sector in the sector is sector in the sect ed of mass and (8); and a bosique so of slotteno (2); samessan gainwollot and algunuti Since July 1991, the Coveniment of India took as see of resemble 5 of the Since July 1991, the Coveniment of India took as the second of the s

10. ECONOMIC LIBERALISATION AND EASING SECTOR REFORMS

date drange. Banks and financial incitations have reported accounted as well. a space to ease temporary switch over to meaning processor as a second formand breath and institute to the second institution institutions and banks and institutions have been a second institution institution in the second in the second institution in the second in the second institution in the second in the were drawn up to the drawn customer accounts and because operate of all important books, including customer accounts and because operation over to manual processor of the process of and the process of an account of the process of t Contingency pure, the operationalisation in the event of system based on the Reserve Bank were drawn up for the operationalisation in the event of system banks, including customer accounts and breasary overset. Each copies of all Validation processor of the operationalisation in the event of system up for the operationalisation in the event of system to for the operationalisation in the event of system to for the operationalisation in the event of system to for the operationalisation in the event of system to for the operationalisation in the event of system to for the operationalisation in the event of system to for the operationalisation in the event of system to for the operation in the event of system to for th Josely monutories and outcomes were documented and subject to be memoring to the minimum parameter by an expect to the minimum parameter of the mi Serviced ships to the state of the serviced ships and serviced ships and serviced ships and serviced ships and serviced ships are serviced ships and serviced ships and serviced ships and serviced ships are serviced ships and serviced ships a The year 2000 (Y2K) problem was a major supervisory design by the facility available of the preparations made by the basic and substitutioned and reviewed during the year. Year 2000 to the facility monitoried and reviewed during the year. Year 2000 to the facility and are supervisory a

Machines (ALI' 1415) at these bands. Due attention was being (xone) offices, so far ted actions of the stention was being paid to be far ted actions of the stention of the st At the end to the Alexandres, At their regions | xone based 13.500 Advanced Ledger Possings Machines (ALPMs) at 4.238 branches. At their regions | xone of these banks. Due attention was being to be based so be the set of the site of the set o At the end of June 1996, public sector bends had installed 19.322 Advanced Ledger Posteries (ALP/Ms) at 4,238 branches. At their regional/zoned others on the Ara of the sector bends of t

in its operational efficiency. A number of factors were responsible for the decline in the efficiency and in its operational efficiency. A number of factors were responsible for the decline in the efficiency and in its operation of bank heart and uneconomic expansion of bank heart and in the heart and its operation of the heart and its ope in its operational efficiency. A number of factors and uneconomic expansion of bank branches profitability of the banking sector: (a) massive and uneconomic expansion of bank branches; profitability of the banking sector: (d) inadequate attention to portfolio quality. profitability of the banking sector: (a) massive (d) inadequate attention to portfolio quality; (b) directed investment; (c) directed credit programmes; (d) inadequate attention to portfolio quality; (b) directed investment; (c) directed crean programmer of banks; (f) lack of sufficient delegation of (e) weakness in the internal organisational structure of banks; (f) lack of sufficient delegation of authority, and (g) inadequate internal controls. Objectives of Financial (Banking) Sector Reforms

In order to meet the changing needs of the liberalised economy, the government has introduced In order to meet the changing needs of the included directions of these reforms, as stated in the many banking sector reforms. The broad objectives and directions of these reforms, as stated in the th Five Year Plan Document, are as issued to the Starting point of financial (i) The Narasimham Committee's recommendations will form the starting point of financial Eighth Five Year Plan Document, are as follows:

- sector reforms.

 (ii) The financial sector reforms will be aimed at improving the financial strength of the banks. The financial sector resources will cover (a) the reduction of directed credit, and other financial institutions and will cover (a) the reduction of directed credit. and other mancial institutions, (c) framing prudential (b) adequacy of reserves of banks and other financial institutions, (c) framing prudential
- norms and guidelines, (d) stock market reforms. nouns and gunzales, of institutions in the financial sector will be encouraged; and their (iii) Diversification of variety of institutions in the financial sector will be encouraged; and their
- entry and exit will be eased.
- (iv) Diversification the financial instruments will be encouraged. (b) The central control on the rates of return on various financial instruments and investments
- (vi) Financial market prices and investment practices will be such as to direct funds efficiently and to harmonise the rates of return.
- (vii) Special arrangements will continue to be necessary to ensure that funds flow to new, small and rural enterprises and investments of high social priority.
- (viii) The overall thrust of these reforms will be to ensure that the financial system operates on the basis of operational flexibility and financial autonomy with a view to increase efficiency, productivity and profitability.

11. NARASIMHAM COMMITTEE REPORT-2 ON BANKING REFORMS

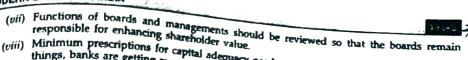
The Narasimham Committee on banking sector reforms submitted its second report to the Finance Minister, Mr. Yashwant Sinha, on April 23, 1998. The agenda of the committee was to review the progress in the reforms in the banking sector over the past six years and suggest a future course of action. According to the report, since 1991-92, several steps have been taken to improve productivity, efficiency and profitability of the banking sector on the one hand and provide it greater operational flexibility and functional autonomy in decision making on the other.

In its report, the Committee suggested the second phase of banking reforms which would focus on (a) strengthening the foundations of banking system, (b) streamlining procedures, (c) upgrading technology and human resources development and (d) making structural changes in the system. including three-tier banking system.

The important recommendations of the Committee are stated below:

- (i) The Committee suggests the merger of strong banks because such merger will have a multiplier effect on industry.
- (ii) The committee is against the merger of strong banks with the weak banks because it will have a negative effect on the asset quality of the strong bank.
- (iii) Some large Indian banks should be given an international character.
- (iv) Concept of narrow banking can be tried to rehabilitate weak banks.
- (v) Small, local banks should be confined to states or cluster of districts in order to serve local trade, small industry and according trade, small industry and agriculture.
- (vi) Government role in the public sector should be reexamined on the issue whether real autonomy and flexibility of banks in autonomy and flexibility of banks is consistent with public ownership.

MODERN BANKING IN INDIA



Minimum prescriptions for capital adequacy needs to be reviewed because, among other things, banks are getting more exposed to off-balance sheet risks.

Reserve Bank of India Act, Banking Regulation Act, Nationalisation Act, and State Bank of India Act should be updated. Some of the provisions of these Acts are required to be amended to bring them in line with the current needs of the banking industry.

Regulations of associated supervision should be concerned with laying down prodential and disclosure norms and sound procedures and to ensure adherence to these, instead of getting

(xi) Non-Bank Financial Companies' lending activities should be integrated with the financial

- (xii) Rural credit facilities should be linked with other constituents of the financial system.
- (xiii) Recruitment procedures, training and remuneration policies should be reviewed.
- (xiv) There is a need for public sector banks to speed up computerisation and focus on

12. USE OF INFORMATION TECHNOLOGY (IT) IN BANKING

Financial institutions have been using information technology (II) since the middle of the 20th century. They use it for gathering, processing, analysing and providing information according to the needs of customers. The technological revolution in banking began in 1950s when the first automated book-keeping machines were installed at a few U.S. banks. Second revolution occured in 1970s with the advent of electronic payment technology. Today, IT has become inseparable part of banking industry.

New Concept

As a result of the application of IT, the banking sector has undergone innovative changes. Technological innovations have brought about both external as well as internal changes. The external innovations can be found in product and service offering. The internal innovations are found in operational functioning of the banks.

The use of IT in banks has resulted in the introduction of several new concepts of banking-such as on-line banking, telephone banking, internet banking, universal banking, automatic telling machines (ATMs), E-banking, etc.-with quick electronic services to the customers. All these new types of banking services have become essential in the modern age (a) to face the challenge of globalisation and liberalisation in the economy, and (b) to reap the benefits of IT revolution.

1. On-line Banking. Keeping in line with the development of modern information technology, banks are now fast going on line. On-line banking (or mobile banking) refers to total automation of banking system. It enables the banks to conduct transaction and provide information any time, anywhere and through any mode (including internet-friendly cellular phones).

On-line banking service allows customers to manage their money from any type of browser devise including mobile phones, internet-enabled TV and even small hand electronic organisers. Using a personal computer (PC) to access your accounts, transfer funds, pay creditors and check if payment has been made, etc, is called on-line banking. It allows customers to have constant access to accounts at any time of the day. Bankers automated clearing system (BACS) has been introduced in on-line banking to reduce paper cost and risk of security.

On-line banking ensures the following services to the customers: (a) checking the position of account; (b) moving the spare cash into an interest bearing account; and (c) making high value payments without risk; (d) one can also send short message via mobile phone.

2. Telephone Banking, Telephone banking refers to dialling one telephone number using any telephone banking. Telephone panking request statements or cheque books. Simply by following:

a recorded. a recorded message and touching the key on your phone, it allows a customer to check account at a convenient of message and touching the key on your phone, it allows a customer to check account at a convenient of the bank. Telephone banking aims at providing convenient time and get things done without visiting the bank. Telephone banking aims at providing the hour second for all customers. 24 hour service which is fast, convenient and secured for all customers.



3. Internet Banking. The internet in the form of Web service can have a significant impact on 3. Internet Banking. The internet in the total the banks and between banks and their partners banking. It prevides a platform to build system within the banks and between banks and their partners. banking. It prevides a platform to build system to the state of the balance inquiry, statement of With the internet banking, various normal banking transactions, like balance inquiry, statement of With the internet banking, various normal banking transactions, like balance inquiry, statement of With the internet banking, various normal banking, var of utility bills, can be performed just by the click of mouse.

Thus, internet brings the following benefits: Thus, internet brings the rollowing section only for banking transactions but also web-shopping.

(i) It offers safe and convenient ways not only for banking transactions but also web-shopping.

- (i) It offers safe and convenient was a coessed 24 hours a day and financial transactions can (ii) In internet banking, accounts can be accessed 24 hours a day and financial transactions can
- (iii) This service increases communications with customers and are free to cost.
- (iv) It helps to make good choices and decisions which avoid scams in banking.
- (iii) It neeps to make good distinction of IT in banking industry developed the concept of universal 4. Universal Banking. The adoption of IT in banking to saving and loans holiday.
- 4. Universal Banking. The adoption of services relating to saving and loans besides investments banking system, which provides services relating to saving and loans besides investments banking. The banking system, which provides the common in Europe. IT has made provision for automated is called universal banking. This is very common in Europe. IT has made provision for automated credit transfer as common way of paying benefits by the government.

In recent years, the concept of universal banking is getting into post offices. The idea is to have

access to basic accounts of banking through post offices.

Benefits. (a) Π in universal banking ensures benefits such as modernisation of welfare payments, improving the standards of customer's service, etc. (b) In universal banking, customers will have the opportunity to use the post office for over-the-counter banking, credit card accounts, basic banking accounts and other on-line banking transactions.

5. ATM-cum-Debit Card. ATM is an automatic Teller Machine that disburses cash once the ATM card is inserted and a PIN (Personal Identification Number) is keyed in. ATMs not only disburse cash but also give details of the balance, deposit cash and cheques and accept mail. However, the VISA ATM service provides the service of withdrawing cash and not other services.

All the ATMs are open 24 hours. None of the ATMs are inside a bank branch. Thus, the customer has access to it round-the-clock. It is in this sense, the ATM facility is commonly known as 'all time money or 'any time money facility.

The individual banks have their own ATMs and this facility is being offered as an additional service on a best effort basis. The customer can withdraw upto a certain specified percentage (say 40%) of his credit limit subject to a maximum of specified amount (say ₹ 10,000) per day. He cannot choose the denominations of currency notes. Most machines, however, issue either ₹ 500 or ₹ 100 notes.

Procedure for using ATM. For using ATM, proper procedure is to be followed:

- (i) Insert the ATM card into the machine as directed and wait till the machine indicates to key in the PIN.
- (ii) Wait for a few seconds till the machine processes the PIN.

Instructions for Safe Use of ATM

- (i) Ensure to sign on the signature panel on the reverse of the ATM card as soon as the card
- (\vec{n}) Report the loss of card immediately to the bank, if the card is misplaced or stolen, to prevent
- (iii) Do not disclose the PIN to any one.
- (iv) Do not hand over the card to any unauthorised person, even if he claims to be representative
- (v) Do not write down the PIN on the card or anywhere. Memorise it.
- (vi) Keep the card safe and donot leave it unattended.

Debit card Facility. Some ATM cards are also debit cards which can be used in shops and supermarkets. The purchase amount is deducted immediately from the customer's account. The debit card service is meant for withdrawals against the balance already available in designated account. It is the ATM card holder's obligation to maintain sufficient balance in the designated account. It is the

6. E-Banking. E-banking is related to three channels: (a) ATM, (b) internet banking, and (c) tele-6. E-Danking. Devolving is related to three channels: (a) ATM, (b) internet banking, and (c) telebanking. These channels can supplement each other in ensuring the conventional way of delivering with banking services. In a way, it is difficult to define the concept of E-banking as it is associated with

MODERN BANKING IN INDIA

The impact of II in banking sector is not easy to assess due to the difficulty of measuring productivity accurately, particularly when the quality of service is changing as a result of such factors as convenience, speed and lower risk. However, the following reasons can be identified for the banks

- (i) The banks anticipate reduction in operating costs through such efficiencies as the streamlining office processing and elimination of error-prone manual input data.
- (ii) Banking institutions see opportunities to serve their current customers by offering new
- (iii) Banks are able to develop and implement sophisticated risk, information management system and techniques with more powerful data storage and analysis technologies.
- Investment in IT in banking sector has forced them to switch on to automation of existing
- (v) Cost sharing between customers and products and its analysis forced banks to go for
- (vi) Banks have recognized that they need to offer the conveniencies of new technology to retain
- (vii) As a result of investment in IT, the banks have been forced to bring about general changes

Impact of IT can also be assessed keeping the interest of management, employees and customers in banking industry in mind.

- 1. Management. The adoption of IT has positive effect on banking management. The tasks of financial reconciliation, financial control, collection of information about branches, exc. become easy for policy decisions. All balances and reconciliation are done on computers, which reduce errors. Management reports and reviews now provide information to the managers about the working of the banks at a glance.
- 2. Employees. The information system brings technology to the counter. Now the employees can have information at their fingertips. The II has removed manual labour and has replaced the old control room with one operator. The employees can easily process loan applications, credit analysis and other transactions with computers.
- 3. Customers. IT has increased the accessibility of customers to the banks. The new banking concepts, such as online banking, internet banking, ATM, telephone, banking, etc., have made banking transactions easy and convenient. Thus, the use of Π in banking ensures good and quick service with low transaction cost to the customers.

Conclusion. IT has a lot of influence on banking business. Unfortunately, in certain access, the employees and customers may not be satisfied with the application of IT in banking organisation. This is due to the fact that they lack sufficient knowledge about the IT and suffer from techno-phobia. There is fear of fraud with increased use of telephones or computers. Customers are greatly confused with the new concepts of banking. Thus, the success of the use of IT in banking depends upon the spread of knowledge and awareness among the employees and customers about II, through organising training-cum-awareness programmes.

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