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Subject- Economics

S. N.	Date	LessonTopic	C.W.	H.W.	
1	18/06/2025	Ch-1 Introduction	C H A P T E R LEARNING OBJECTIVES 1.1 Introduction 1.2 Scarcity 1.3 Economic Problem 1.4 Meaning of Economics 1.5 Positive Economics and Normative Economics 1.6 Every field of study has its own language and its talks about algebra, science deals with expering on. Economics is no different. An Economis's lamarket, etc. In the coming chapters, you will owords that economists use in specialized way. The most important purpose of this book is thinking. Of course, as one cannot become a mato think like an economist will take some time and live examples, this book will give you amp. Before we proceed to the meaning of economics, le reason for studying economics. What is an Economy? You must have observed many activities happ you may have seen factories, mines, shops, off	2.	What are the 3 economic problems? Define: (i) Scarcity (ii) Economy

1.2 2/Explain vital Processes of intro

and organisations may be collectively called an economy. Such units en and organisations may be conceivery cancer are contonly south uncorne and, at the same time, help to produce goods and services which An economy is a system which provides people, the means to work and It is an organisation that provides living to the people. In this task, it mak resources to produce those goods and services that people want. For exar consists of all sources of production in agriculture, industry, transporbanking, etc.

Vital Processes of an Economy

Economy is a system which provides living to the people. For this object necessary that every economy should undertake three economic activiti

- Production
 Consumption
- 3. Investment or Capital Formation.

These economic activities are known as the essentials or the vital proce On the basis of nature of economic activities, economies can be broadly classified Centrally Planned Economy. It is given in Power Booster Section for knowledge er

Why Study Economics?

We go to a cinema hall to watch a movie. We go to a restaurant to eat. V educated or to be able to earn a living. It means, every activity is conducte Economics is studied because it enables us to understand different asp However, the main reason for study of economics can be simplified to a s We all know, human wants are more than the available resources. So, th these scarce resources for the satisfaction of never ending human was concerned with selection of resources under conditions of scarcity.

Let us now understand the concept of 'Scarcity', the root of all economic problem

1.2 SCARCITY

Scarcity refers to the limitation of supply in relation to demand for a c It refers to the situation, when wants exceed the available resources. As readily available and society does not have enough resources to satisfy all Scarcity is universal, i.e. every individual, organisation and economy fac-Scarcity of resources calls for economizing of resources. Economizing making optimum use of the available resources. There is a need to eco satisfy our unlimited wants out of limited resources.

Scarcity is not the only problem!

 Limitation of resources is not the only problem. In addition to being have alternate (different) uses. Alternate use of resources means that more than one use.

2	19/06/ 2025	Ch-1 Introduction	1.4 MEANING OF ECONOMICS Economics is a social science which studies the way a society chooses Economics is a social science which studies the way a society chooses resources, which have alternate uses, to produce goods and services and resources, which have alternate uses, to produce goods and services and among different groups of people. Why Economics is considered a Social Science? Why Economics is considered a Social Science? What is Economics all about? Economics all about? Economics all about? Economics is all about making choices in the presence of scarcity. It studies hur relationship between means (resources) and ends (human wants). Economics that the resources are used in the best possible manner. 1.5 POSITIVE ECONOMICS AND NORMATIVE ECONOMICS Positive Economics (or Science) Positive Economics deals with tothat are the economic problems and how are the For example, India is an overpopulated country or prices are constantly runs to the properties of the presence of the pr	Differentiate between microeconomics and microeconomics . Differentiate between normative economics and positive economics
			and sale of cigarettes is injurious to health, but it does not provide any instr	
			Do not confuse statements of Positive Economics as statements of truth Positive economics statements should not be confused as statements of truth or false. For example, If Paras says that India is the most populated count Utkarsh says that China is the most populated country, then both are However, Paras is wrong and Utkarsh is right. The point to be noted is that positive statements can be verified as true or false by comp Normative Economics (or Science)	
			Normative economics tells us 'what ought to be'. Normative Economics de to be or how the economic problems should be solved. For example, Indoverpopulated country or prices should not rise.	

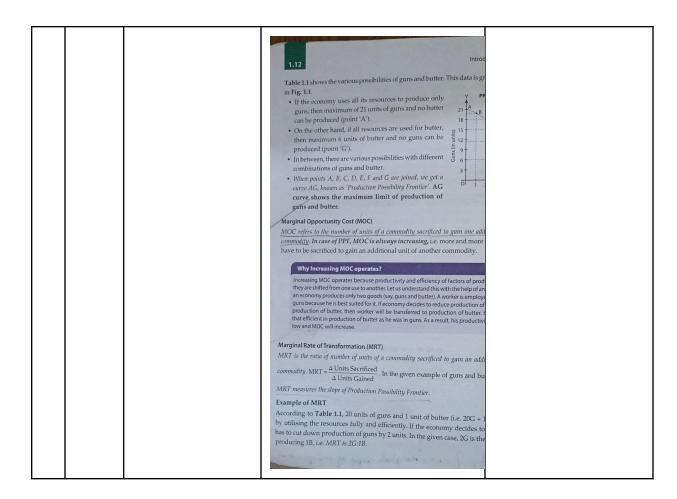
3	20/06/ 2025	Ch-1 Introduction	etc. Its main tools are I Macroeconomics The term 'macro' has macroeconomics deal problems of the econo Macroeconomics is th economy as a whole. I etc. Its main tools are I Micro VS Macro In Microecono behaviour of ii In Macroecono a whole. Let us discuss the detail	s been derived from the Greek word is with overall performance of the eco- omy like inflation, unemployment, p- at part of economic theory which stud For example, National income, aggregate Demand and Aggregate Suppo- omics, the letter T stands for Indiv	I 'makros' v nomy. It is o overty, etc. ies the behat tate output, 'y. iduals', i.e. egates', i.e. it of economics.	1. 2. 3.	Central Problems of economy?
			Basis	Microeconomics	M		
			Meaning	Microeconomics is that part of economic theory which studies the behaviour of individual units of an economy.	Macroeconor theory which aggregates o		
			Tools	Demand and Supply.	Aggregate D		
			Basic Objective	It aims to determine price of a commodity or factors of production.	It aims to employment		
			Degree of Aggregation	It involves limited degree of aggregation. For example, market demand is derived by aggregating individual demands of all buyers in the particular market.	aggregation		
			Basic Assumptions	It assumes all the macro variables to be constant, i.e., it assumes that national income, consumption, savings, etc. are constant.	decisions of l		
			Other Name	Microeconomics is also known as 'Price Theory' as it is primarily concerned with determination of prices of commodities and factors of production.	and Employr		
			Examples	Individual income, individual output.	National Inc		
			Interdependence of Economics is a sing	of Microeconomics and Macroeco gle subject and the analysis of an	nomics		

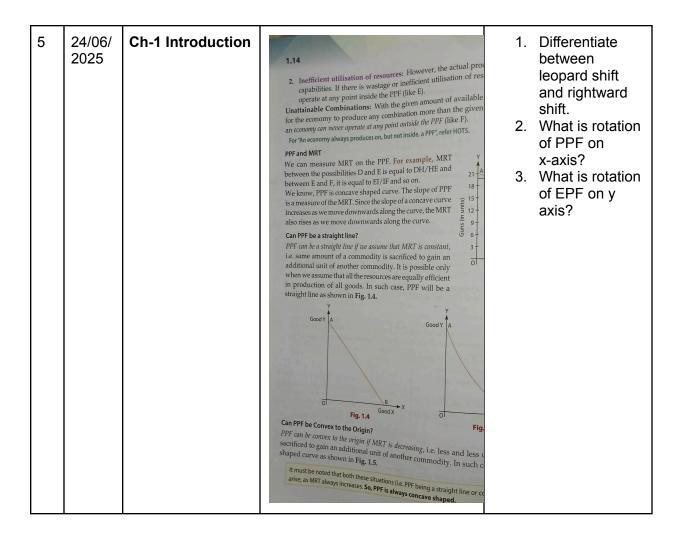
28/06/24 1.7 CENTRAL PROBLEMS OF AN ECONOMY Production, distribution and disposition of goods and services are the b of life. In the course of these activities, every society has to face scarcity this scarcity, every society has to decide how to allocate the scarce resort country in the scar Central Problems, that are faced by every economy: 1. What to produce - 2. How to produce These problems are called central problems because these are the most basic pr 3. For whom to produce all other problems revolve around them. These 3 problems are studied under the problem of 'Allocation of Resources'. Allocation of Resources (Studied under Microeconomics) Allocation of resources refers to the problem of assigning the scarce resour. maximum wants of the society are fulfilled. As resources are limited in wants, it is important to economize their use and utilise them in the The problem of allocation of resources is studied under 3 heads: (1) V to produce; (3) For whom to produce. In nutshell, an economy has to allocate its resources and choose from differ goods (What to produce), select from different techniques of production (How in the end, who will consume the goods (For whom to produce). 1. What to Produce This problem involves selection of goods and services to be produc produced of each selected commodity. Every economy has limited in produce all the goods. More of one good or service usually means l For example, production of more sugar is possible only by reducir goods. Production of more war goods is possible only by reducing goods. So, on the basis of the importance of various goods, an econ goods should be produced and in what quantities. This is a proble among different goods. The problem of 'What to produce' has two aspects:

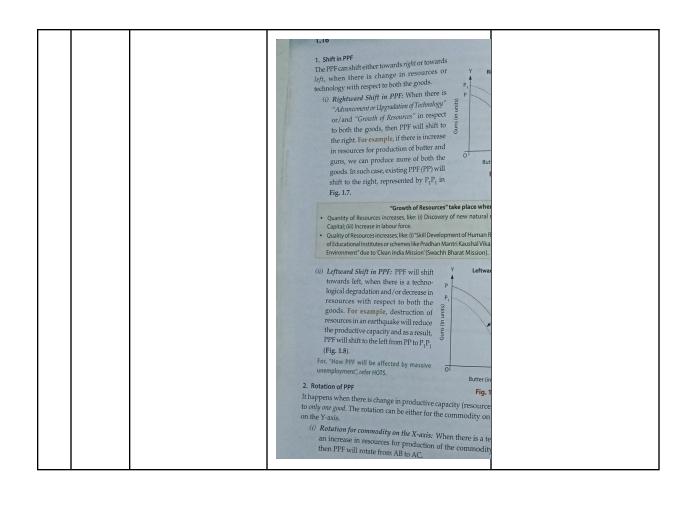
(i) What possible commodities to produce: An economy has to goods (rice, wheat, clothes, etc.) and which of the capital good etc.) are to be produced. In the same way, economy has to r goods (bread, butter, etc.) and war goods (guns, tanks, etc.) (ii) How much to produce: After deciding the goods to be produ the quantity of each commodity, that is selected. It means, it

the quantity to be produced, of consumer and capital goods, civil
As this problem has two aspects, it is also termed as "What to Produce and

4	23/06/2025	Ch-1 Introduction	What to Produce Involves selection of goods and services and quantity to be produced of each selected commodity. It must be noted that in addition to 'Allocation of Resources', there are two (i) Problem of fuller and efficient utilisation of resources; (ii) Problem of Growth of are beyond the scope of syllabus of XIP class. As resources are scarce, the society is always forced to make choices good, a certain amount of other goods has to be sacrificed. The true resources in any given project is the loss of the alternative output produced. For example, if we use a certain amount of land, labour and capital to build a factory might be the houses which these resources in any given project is the loss of the alternative output produced. For example, if we use a certain amount of land, labour and capital to build a factory might be the houses which these resources in any given project is the loss of the alternative foregon you are working in a bank at the salary of ₹ 40,000 per month. Furth two more job offers. New Year of ₹ 40,000 per month. Furth two more job offers. New Year of ₹ 40,000 per month. In the given case, the opportunity cost of working in the bank is the cot foregone, i.e. ₹ 35,000. The amount of other goods and services, that must of any one good, is called the opportunity cost of that good. One more Example Suppose you have ₹ 40,000 and you want to purchase one laptop and only in hand, you cannot have both. You can either buy laptop or to purchase laptop, then opportunity cost of choosing the laptop is satisfaction (from LED TV). This example clarily demonstrates a fundar As our resources are limited, we are always forced to make choices between the course of the same are larguely forced to make a certified As we cannot have everything that we want, we are forced to make decisions take the form of choices among alternate goods and serviced to ask example and the proposition of the produced of the same cannot have everything that we want, we are forced to make decisions take the form of choices	(i) MO 2.	What do you mean by: C(ii) MRT Differentiate between attainable and unattainable combinations. Unsolved Q.No. 2. Unsolved Q.No. 3.
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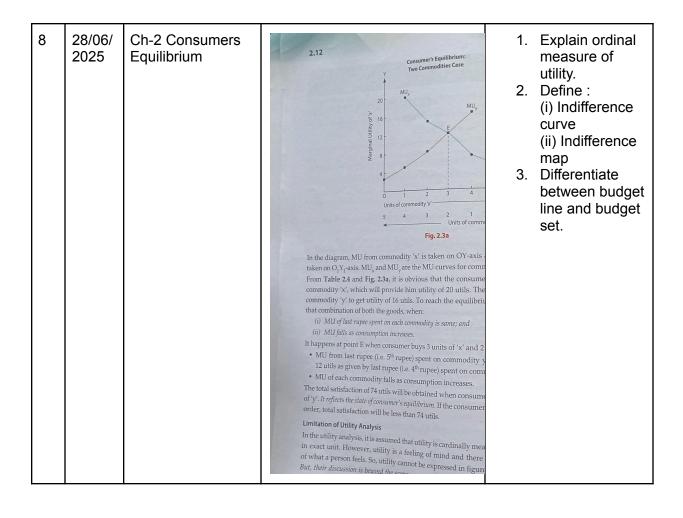


6	25/06/	Ch-2 Consumers	A CONTRACTOR OF THE PARTY OF TH	1.	Who is the
	2025	Equilibrium		2	consumer? What are the
				۷.	two approaches
					of measuring consumer's
					equilibrium?
			Name of the last o		
			LEARNING OBJECTIVES		
			2.1 Introduction		
			2.2 Cardinal Utility Approach		
			2.3 Concept of Utility		
			2.4 Law of Diminishing Margin		
			2.5 Consumer's Equilibrium		
			2.1 INTRODUCTION		
			A consumer is the main decision-		
			goods and services for satisfacti		
			goods to be purchased in order		
			satisfaction from spending his in		
			A consumer is generally understood group of individuals or institutions.		
			The aim of this chapter is to make you		
			consumption of goods and services.		
			consumer has to follow some prin		
			The two main approaches to stud		
			1. Cardinal Utility Approach		
			2. Ordinal Utility Approach (
			MATERIAL TO SERVICE		

1. The utility derived from the first unit of a commodity is known as initiouils from the first ice-cream is termed as the initial utility. 2. Total utility is zero at zero level of consumption. Marginal Utility (MU) Marginal utility is the additional utility derived from the const the given commodity. It is the utility derived from the last unit of As per given example, when 3rd ice-cream is consumed, TU incre The additional 10 utils from the 3rd ice-cream is the MU. In the t utility is addition made to total utility by consuming one more ur MU can be calculated as: $MU_n = TU_n - TU_{n-1}$ Where: $MU_n = Marginal$ utility from n^{th} unit; $TU_n = Total$ utility from n units; $TU_{n-1} = Total$ utility from n-1 units; n = Number of units of consumptions of the state of the stateMU of 3^{nl} ice-cream will be: $MU_3 = TU_3 - TU_2 = 46 - 36 = 10$ utils One More way to Calculate MU MU is the change in TU when one more unit is consumed. How consumed is more than one, then MU can also be calculated as: $MU = \frac{\text{Change in Total Utility}}{\text{Change in number of Units}} = \frac{\Delta T}{\Delta T}$ Total Utility is Summation of Marginal Utilities Total utility can also be calculated as the sum of marginal utilities $TU_n = MU_1 + MU_2 + MU_3 + \dots + MU_n$ or simply, The concepts of TU and MU can be better understood from the follow Table 2.1: TU and MU Ice-creams Consumed Marginal Utility (MU) In Fig. 2.1, units of ice-cream are shown along the X-axis and TU are the Y-axis. MU is positive and TU is increasing fill the 4th ice-cream ice-cream, MU is zero and TU is maximum. This point is because the contract of the transfer of th

Suppose your father has just come from work and you offer him a g suppose your father has just come from work and you offer him a g will give him great satisfaction. The satisfaction with the second git will give him great satisfaction. The satisfaction with the second git will give him great satisfaction. The satisfaction with the second give him great satisfaction with g will give him great satisfaction. The satisfaction with g will give him great satisfaction with g will give him great satisfaction. The satisfaction with g will give him great satisfaction. The satisfaction with g will give him great satisfaction. The satisfaction with g will give him great satisfaction. The satisfaction with g will give him great satisfaction. The satisfaction with g will give him great satisfaction. The satisfaction with g will give him great satisfaction. The satisfaction with g will give him great satisfaction. The satisfaction in g satisfaction	 Write down all the assumptions of law of DMU. Explain consumer's equilibrium with the help of graph and schedule. Explain consumers equilibrium in case of 2 goods.
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2.5 CONSUMER'S EQUILIBRIUM 2.5 CONSUMER'S EQUILIBRIUM The level more qualification of reset, which are aposition of reset, which are aposition of reset which are aposition of reset which are aposition of reset which are appeared to change his secure of the contract is said to be in or gain under a given situation. Autorepation, i.e., when he derivated to change his sour or with interfed more and all as not enach under their commondity the consumer has to gave a price for each only to change his sour or with interfed quantity. As per he has one each out of the commondity the consumer has to gave a price for each carried and other change his source of a commonly, so a remain said set and the contract of the common of a commonly, so a remain said set and the contract of the common of a commonly, so a remain said set and the contract of the commonly and the contract of the commonly of the contract of equilibrium, there is no further incer quantity of the contract of equilibrium, there is no further incer quantity of the contract of equilibrium. The contract of equilibrium on the discussed under two different Cossumer's equilibrium and the discussed under two different Cossumer's equilibrium and the discussed under two different Cossumer's equilibrium and the discussed under two different cost and the common of th	2.5 CONSUMER'S EQUILIBRIUM The herm' equilibrium' is requently used in economic analysis for home or home on charge. In release to a position of rest, which or a position of no charge, it release to a position of rest, which or a position of no charge, it release to be not or gain under a given situation. A consumer for the common of t
F Spart to Price (P) paid for the comm	



2.14	
	3
R	4
5	5
T	, lifforent
As seen in the schedule,	consumer is indiffered

As seen in the schedule, consumer is infinite to between five combinations of apple and banana. Combination T' ((A + 15B) gives the same utility as (2A+10B), (3A+6B) and so on. When these combinations are represented graphically and joined together, we get an indifference curve TC_1 as shown in Fig. 2.4. In the diagram, apples are measured along the X-axis and bananas on the Y-axis. All points (P, Q, R, S) and (P, Q, R, S) on the curve show different combinations of apples and bananas. These points are joined with the help of a smooth curve, known as indifference curve (LC_1) . An indifferent combinations, that are equally satisfactory to the

Every point on $\rm IC_1$ represents an equal amount of satisfacti is said to be indifferent between the combinations located

The combinations P, Q, R, S and T give equal satisfaction to the coamong them. These combinations are together known as 'Indif

Important Points

- Increase of one Good requires Decrease of other good of Curve, each combination of two goods gives equal increases the consumption of one good, then con decreased, so as to maintain same level of satisfaction when consumer moves from combination P to Q, counit, while that of Bananas decreases by 5 units.
- Winy Does it Happen? It happens because if consumpt of bananas is not decreased or vice-versa, then in su more quantity of 1 good, which means more satisfactio which is against the basic assumption of indifference same satisfaction.

One More Observation: As the quantity of one good (Apples in c good (say, bananas) not only decreases but it decreases at a dec moves from combination P to Q, he is willing to give up 5 bana moves from Q to R, he is willing to give up ONLY 4 bananas to obt later in the chapter under the heading Why the c

	MRS _{AB} is the rate at which a consumer is willing to give up bank. It must be noted that in mathematical terms, MRS should always be not sacrificed) will always have negative value. However, for analysis, absolute sacrificed) will always have negative value. However, for analysis, absolute sacrificed) will always have negative value. However, for analysis, absolute sacrificed) will always have negative value. However, for analysis, absolute sacrificed) will always have negative value. However, for analysis, absolute sacrificed will always have negative value. However, for analysis, absolute sacrificed will always have negative value. However, for analysis, absolute sacrifice of the sacrifice falls to 2 bananas for 1 apple. In other words, the MRS of apples for bananas is diminishing or slope of Indi by MRS) is continuously declining as we move downwards alo shape to the indifference curve. Why MRS diminishes? MRS falls because of the law of diminishing marginai utility. In the bananas, Combination 'P' has only 1 apple and, therefore, app than bananas. Due to this, the consumer is willing to give up rapple. But as he consumes more and more of apples, his margin declining. As a result, he is willing to give up less and less of bar Assumptions of Indifference Curve The various assumptions of indifference curve are: 1. Two commodities: It is assumed that the consumer has a of which is to be spent on the two goods, given constant p A consumer always prefers more of both commodities, i.e. a consumer laways prefers in the indifference curve to get higher and higher satisfac it offers him a higher level of satisfaction. 3. Ordinal Utility: Consumer can rank his preferences on the each bundle of goods.	