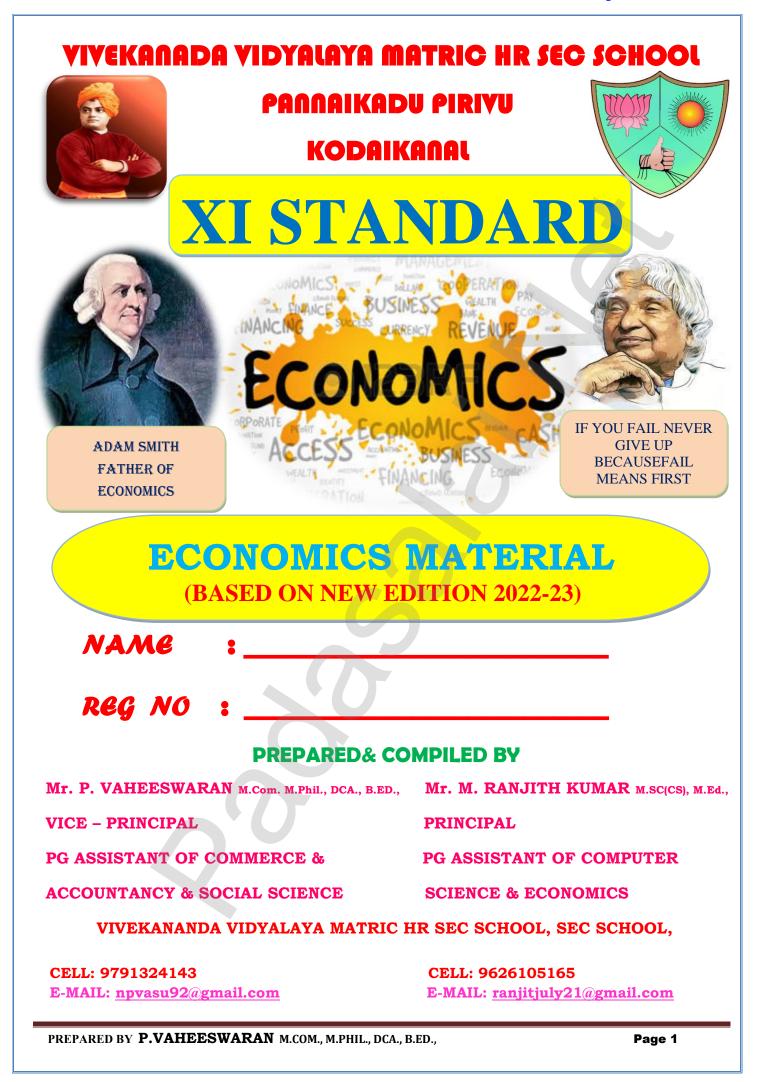
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# முகவுரை

மாணவ நண்பர்களுக்கு,

பொருளியியல் பாடத்தில் நல்ல மதிப்பெண்களை பெற வேண்டும் என்ற நோக்கத்தில் எளிமையான முறையில் படிப்பதற்க்கு வசதியாக இந்த **material** யை தொகுத்துள்ளேன். எனது பாணியில் எனது மாணவர்களுக்கு ஏற்றவாறு தயார் செய்த இந்த தொகுப்பை அனைத்து மாணவர்களும் பயன்பெற வேண்டும் என்ற நோக்கத்திலேயே வெளியிட்டுள்ளேன். எனது இந்த தொகுப்பில் ஏதேனும் பிழைகள் குறைகள் இருந்தால் சரிசெய்து கொள்ளவும்.

தற்பொழுது அரசு வெளியிட்டுள்ள புதிய பாட திட்ட தொகுப்பின் அடிப்படையில் ഖിത്ഥ தொகுப்பை என்னால் இயன்ற அளவிற்க்கு மிக எளிமையாக இந்த வினா உருவாக்கியுள்ளேன். மாணவ நண்பா்களே!! நேரத்தை சரியாக பயன்படுத்தி கொள்ளுங்கள். சரியான நேரத்தில் சரியான முறையில் படித்து வெற்றி பெற்று அடுத்த கட்ட நிலைக்கு செல்ல ഖേൽ്ഥ്വ இறுதி நிலையில் உள்ளாய். நேரத்தை வீணாக்காதே! அடுத்து என்ன செய்ய போகிறாய் என்பதை முதலில் தீா்மானி. மதிப்பெண்களை பெறுவதிலேயே கவனத்தை வை.

முயன்றால் முடியாதது எதுவுமில்லை. கடினமாக தான் இருக்கும். கஷ்டப்பட்டு படித்தால் நல்ல முன்னேற்றத்தை அடைவாய்.

பள்ளி பருவத்தில் நீ பெறும் வெற்றியே உன் வாழ்க்கை முழுவதையும் தீர்மானிக்க போகிறது என்பதை நன்றாக கவனம் கொள். தினமும் காலையில் படிப்பதற்க்கு முன் உன் இலக்கு என்ன என்பதை இரு நிமிடம் யோசித்து பார். நீ செல்வது சரியான பாதையா என்று சிந்தி!!!! நல்ல பாதையே நல்ல முடிவை தரும். நல்ல மதிப்பெண்களை பெறுவதே உன் நோக்கமாக இருக்கட்டும். அதுவே உன் வாழ்க்கை என்னும் பாதைக்கு நல்வழிகாட்டும். பள்ளி வாழ்க்கையின் கடைசி நிலையில் உள்ளாய்!!!! இங்கு நீ பெறும் மதிப்பெண்களே உன் அடுத்த கட்ட பாதையை உருவாக்க போகின்றன என்பதை நினைவில் எப்பொழுதும் வை.

உன் பெற்றோரின் உழைப்பையும் சிந்தித்துப் பார். பிறகு படிக்க ஆரம்பி. கவனம் சிதறாமல் படிப்பில் கவனத்தை செலுத்துவாய். பிறகு நீயாகவே முயற்சி செய்து நல்ல மதிப்பெண்களையும் பெறுவாய்.

உங்களுக்காக நாங்கள்!!!!

உன் வெற்றியே எங்கள் வெற்றி!!!!!

உங்கள் வெற்றியில் பெருமைப்பாட நாங்களும் காத்திருக்கிறோம்!!!!!!!

#### WISH YOU ALL THE BEST FOR YOUR EXAMINATION

P. Zani Arefificuir

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CHAPTER 1	INTRODUCT	TON TO MICR	O ECONOMICS
I. MULTIPLE CHOICE	QUESTIONS:		
. 'Economics is a study of	mankind in the ordinary	business of life' -It is th	ne statement of
a. Adam Smith	b. Lionel Robbins c.	Alfred Marshall d. Sa	muelson
. The basic problem studi	ed in Economics is		
a. Unlimited wants wants	b. Unlimited means c.	Scarcity d. S	trategy to meet all ou
. Microeconomics is conce	erned with		
a. The economy as a w	hole	b. Different	sectors of an economy
c. The study of indivi	dual economic units beha	vior d. The interact	ions within the entir
economy			
. Which of the following is	s a microeconomics state	ment?	
a. The real domestic of	utput increased by 2.5 perc	ent last year.	
b. Unemployment was	9.8 percent of the labour f	force last year.	
c. The price of wheat	determines its demand		
d. The general price le	vel increased by 4 percent	last year.	
. Find the odd one out:			
a. "An inquiry into the	nature and the causes of the	ne Wealth of Nations"	
b. "Principles of Econo	omics"		
c. "Nature and Signific	cance of Economic Science	<u>,</u> ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
d. "Ceteris paribus"			
. The equilibrium price is	the price at which		
a. Everything is sold		b. Buyers sp	end their money
c. Quantity demanded	equals quantity supplied	d. Excess de	mand is zero
. Author of "An Inquiry i	nto the Nature and Cause	es of Wealth of Nations"	,
a. Alfred Marshall	b. Adam Smith	c. Lionel Robbins	d. Paul A Samuelson
. "Economics studies hum	an behavior as a relation	ship between ends and	scarce means which hav
alternative uses" is th	e definition of economics	s of	
a. Lionel Robbins	b. Adam Smith	c. Alfred Marshall	d. Paul A Samuelson
. Who is the Father of Eco	onomics?		
a. Max Muller	b. Adam Smith	c. Karl Marx	d. Paul A Samuelson
0. "Economics is a science	" The basis of this staten	nent is	
a. Relation between ca	use and effect		
b. Use of deductive me	ethod and inductive method	d for the formations of lav	WS
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c. Experiments		d. All of the above	
1 1	nt at which demand and capacity of goods and s	11 5 1	
c. Total value of co	ommodity		
d. Desire for goods	and services		
12. A market is			
a. Only a place to b	ouy things	b. Only a place to sell thi	ngs
c. Only a place whe indirectly	ere prices adjust d. A	A system where persons buy	and sell goods directly or
13. Which one of the fo	llowing is not a point i	n the Welfare Definition of E	conomics?
a. Study of an ordin	nary man	b. Economics does not foc	us on wealth alone.
c. Economics is the	e study of material welfa	are	
d. Economics deal	ls with unlimited wants	s and limited means	
14. Growth definition ta	akes into account		
a. The problem of	choice in the dynamic	framework of Economics	
b. The problem of	unlimited means in relat	tion to wants	
c. The production a	and distribution of wealt	h	
d. The material we	lfare of human beings		
15. Which theory is gen	erally included under	micro economics ?	
a. Price Theory	b. Income Theory	c. Employment Theory	d. Trade Theory
16 have exc	change value and their	ownership rights can be esta	ablished and exchanged
a. Goods	b. Services	c. Markets	d. Revenue
17. Identify the correct	characteristics of utili	ty	
a. It is equivalent to	o 'usefulness'	b. It has moral sign	ificance
c. It is same as plea	asure	d. It depends u	pon consumer's mental
attitude			
18. Who has given scar	city definition of econo	omics?	
a. Adam Smith	b. Marshall	c. Robbins	d. Robertson
19. The process of reaso	oning from particular t	to general is	
a. Deductive metho economics	b. Inductiv	<b>re method</b> c. Positive econom	ics d. Normative
20. Total revenue is equ	al to total output sold	multiplied by	
a. Price	b. Total cost	c. Marginal revenue	d. Marginal cost

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#### **II. ANSWER THE FOLLOWING QUESTIONS IN ONE OR TWO SENTENCES.**

#### 21. What is meant by Economics?

- The term 'Economics' means 'management of households'.
- The 'Political Economy', is renamed as 'Economics'.

## 22. Define microeconomics.

Micro Economics is the study of the economic actions of individual units say households, firms or industries.

## 23. What are goods?

- Goods are also called 'products', 'commodities', 'things' etc.
- ✤ Goods and services satisfies human wants.

## 24. Distinguish goods from services.

S.No	Goods	Service
1	Goods are produced	Service are performed
2	It's are tangible	It's are intangible

## 25. Name any two types of utility.

- Time utility
- Place utility
- Form utility
- Service utility

## 26. Define positive economics.

- An increase in money supply implies a price-rise in an economy.
- As the irrigation facilities and application of chemical fertilizers expand, the production of foodgrains increases.

## 27. Give the meaning of deductive Method

- > It is also named as analytical or abstract method.
- It consists in deriving conclusions from general truths; it takes few general principles and applies them to draw conclusions.

## III. ANSWER THE FOLLOWING QUESTIONS IN ONE PARAGRAPH.

## 28. Explain the scarcity definition of Economics and assess it.

"Economics is a science which studies human behavior as a relationship between ends and scarce means which have alternative uses".

- Lionel Robbins

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#### Features:

- Ends refer to human wants.
- Resources or means that go to satisfy the unlimited human wants.

# 29. What are the crucial decisions involved in 'what to produce?'

- Whether to produce more of food, clothing and housing or to have more luxury goods
- Whether to have more agricultural goods or to have industrial goods and services
- Whether to have more consumption goods or to have investment goods
- Whether to spend more on basic education or higher education

# 30. Explain different types of economic activities.

- Consumption: Human wants coming under consumption is the starting point of economic activity.
- ▲ **Production:** Production is the process of transformation of inputs into output.
- Exchange: Human activities which are performed in exchange for money.
- ▲ **Distribution:** the produced wealth has to be distributed

# 31. What are the different features of services?

- i). Intangible:
  - ✤ Intangible things are not physical objects but exist in connection to other things.
  - Example: Brand Image, Goodwill

## ii). Heterogeneous:

- A single type service yields multiple experiences.
- Example: Music, Consulting Physicians.

## iii). Perishable:

- \* Services cannot be stored as inventories like assets.
- \* Example: Cricket-match.

## 32. What are the important features of utility?

- Utility is psychological
- Utility is not equivalent to usefulness.
- Utility is not the same as pleasure
- Utility is personal and relative.

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S.no	Micro Economics	Macro Economics.
1	Micro means small	Macro means large
2	It covers value theory and economic welfare	It is the study of aggregates national output
3	Price theory	Income theory

#### 33. Distinguish between microeconomics and macroeconomics.

#### 34. Compare positive economics and normative economics.

S.no	Positive Economics	Normative Economics.
1	Positive science deals with what it is	It's concerned with what ought to be.
2	It analyses problem on the basis of facts and examines its causes.	Here the conclusions and results are not based on facts.
3	It would be looked into why and how?	It would be seen whether goods or bad.

## IV. ANSWER THE FOLLOWING QUESTIONS IN ABOUT A PAGE

#### 35. Compare and contrast various definitions of Economics.

	Wealth	Welfare	Scarcity	Growth
	Definition	Definition	definition	Definition
Author	Adam Smith	Alfrad Marshal	Lionel Robbins	Paul Samuelson
Year	1776	1890	1932	1948
	Economics as the science of wealth	It is a study of mankind in the ordinary business of life	"It is a science which studies human behavior as a relationship between ends and scarce means which have alternative uses".	The study of how men and society choose, with or without the use of money, to employ scarce productive resources to produce various commodities over time, and distribute them for consumption.
	Man is guided and led by an invisible hand.	Man promotes primarily welfare and not wealth.	Human beings unlimited wants	He makes his definition Dynamic

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	It means that each person works for his own good.	It contains the concern of ordinary people.	Resources are limited	It covers production distribution and consumption
Criticism	It is a dismal	Does not	Does not make any	Samuelsons definition is appli
	science	consider	distinction between	also in a barter economy.
		immaterial things	goods conductive	
			human welfare and	
			goods that are not.	

## **36. Explain various Steps of Deductive and Inductive methods.**

#### i). Steps of Deductive method:

Step 1: The analyst must have a clear and precise idea of the problem to be inquired into.

Step 2: The analyst clearly defines the technical terms used in the analysis.

Further, assumptions of the theory are to be precise.

- **Step 3:** Deduce hypothesis from the assumptions taken.
- **Step 4:** Hypotheses should be verified through direct observation of events in the real world and through statistical methods.

#### ii). Steps of Inductive methods:

Step 1: Data are collected about a certain economic phenomenon. These are systematically

arranged and the general conclusions are drawn from them.

Step 2: By observing the data, conclusions are easily drawn.

Step 3: Generalization of the data and then Hypothesis Formulation

Step 4: Verification of the hypothesis (eg.Engel's law)

## 37. Elaborate the nature and scope of Economics.

## Nature:

,,,,

- ▲ A Law expresses a causal relation between two or more than two phenomena.
- Marshall states that the Economic laws are statement of tendencies, the laws function with cause and effect.
- Economic laws are not as precise and certain.
- ▲ Economic laws are not inviolable
- ▲ The use of the assumption other things remaining the same.

#### Scope:

- ✤ All human activities related to wealth constitute the subject matter of economics.
- Production consumption and capital formation are called the basic economic activities.
- The flow chart gives the scope of economics.

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Human activities not related to wealth are not treated in economics.

# 38. Explain basic problems of the economy with the help of production

# possibility curve.

## Meaning:

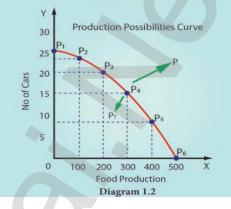
Production possibility curve shows the menu of choice along which a society can choose to substitute

one good for another.

## Assumptions:

- The time period does not change
- Techniques of production are fixed
- There is full employment in the economy
- Resource of production is fully mobile.

Production	Quantity of	No of car
possibilities	food production	production
Ι	0	25
II	100	23
III	200	20
IV	300	15
V	400	8
VI	500	0



#### **Explanation:**

- The quantity of food is shown on x-axis and the number of cars is shown on y-axix.
- The different six production possibilities are being shown as P1, P2, P3, P4, P5, P6.
- A maximum of 500 tons of food can be produced given the existing technology.
- All resources are instead used for producing cars, 25 cars can be produced.
- In between these two existences possibilities exist.

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#### **CONSUMPTION ANALYSIS CHAPTER 2 I. Multiple Choice Questions** 1. Pick the odd one out b. Comforts a. Luxuries c. Necessaries d. Agricultural goods 2. Choice is always constrained or limited by the of our resources. d. Abundance c. Demand a. Scarcity b. Supply 3. The chief exponent of the Cardinal utility approach was b. R.G.D.Allen d. Stigler a. J.R.Hicks c. Marshall 4. Marginal Utility is measured by using the formula of c. TUn+TUn+1 d. TUn-TUn+1 a. TUn-TUn-1 b. TUn-TUn+1 5. When marginal utility reaches zero, the total utility will be a. Minimum **b.** Maximum c. Zero d. Negative 6. Gossen's first law is known as. b. Law of diminishing marginal utility a. Law of equi-marginal utility. d. Law of Diminishing returns. c. Law of demand. 7. The basis for the law of demand is related to a. Law of diminishing marginal utility b. Law of supply c. Law of equi-marginal utility. d. Gossen's Law. 8. The concept of consumer's surplus is associated with a. Adam Smith **b.** Marshall c. Robbins d. Ricardo 9. Given potential price is Rs.250 and the actual price is Rs.200. Find the consumer surplus. b. 175 c. 200 d. 50 a. 375 10. Indifference curve approach is based on b. Cardinal approach a. Ordinal approach d. Psychological approach c. Subjective approach 11. The concept of elasticity of demand was introduced by c. Adam Smith d. Marshall a. Ferguson b. Keynes 12. Increase in demand is caused by a. Increase in tax b. Higher subsidy c. Increase in interest rate d. decline in population 13. The movement on or along the given demand curve is known as a. Extension and contraction of demand. b. shifts in the demand. c. increase and decrease in demand. d. all the above 14. In case of relatively more elastic demand the shape of the curve is a. Horizontal b. Vertical c. Steeper d. Flatter PREPARED BY P.VAHEESWARAN M.COM., M.PHIL., DCA., B.ED., Page 11

<ul> <li>15. A consumer is in equilibrium when marginal utilities from two goods are <ul> <li>a. Minimum</li> <li>b. Inverse</li> <li>c. Equal</li> <li>d. Increasing</li> </ul> </li> <li>16. Indifference curve was first introduced by <ul> <li>a. Hicks</li> <li>b. Allen</li> <li>c. Keynes</li> <li>d. Edge worth</li> </ul> </li> <li>17. Elasticity of demand is equal to one indicates <ul> <li>a. Unitary Elastic Demand</li> <li>b. Perfectly Elastic Demand</li> <li>c. Perfectly Inelastic Demand</li> <li>d. Relatively Elastic Demand</li> <li>d. Relatively Elastic Demand</li> <li>d. Relatively Elastic Demand</li> <li>d. Taw of Supply</li> </ul> </li> <li>19. Ordinal Utility can be measured by <ul> <li>a. Ranking</li> <li>b. Numbering</li> <li>c. Wording</li> <li>d. None of these</li> </ul> </li> <li>20. The indifference curve are <ul> <li>a. vertical</li> <li>b. horizontal</li> <li>c. positive sloped</li> <li>d. Negatively sloped</li> </ul> </li> <li>11. Define Utility: <ul> <li>a. Indiget the goods and service for an individual consumer at a particular time and at a particular place.</li> </ul> </li> <li>22. Mention the classifications of wants. <ul> <li>b. Name the basic approaches to consumer behavior.</li> <li>c. Cardinal Approach</li> </ul> </li> <li>23. Name the basic approaches to consumer behavior. <ul> <li>C. Cardinal Approach</li> </ul> </li> <li>24. What are the degrees of price elasticity of Demand?</li> <li>Perfectly Inclastic Demand <ul> <li>Relatively Elastic Demand</li> <li>Relatively E</li></ul></li></ul>	derives the same			
a. Minimum       b. Inverse       c. Equal       d. Increasing         16. Indifference curve was first introduced by       a. Hicks       b. Allen       c. Keynes       d. Edge worth         17. Elasticity of demand is equal to one indicates       a. Unitary Elastic Demand       b. Perfectly Elastic Demand       c. Perfectly Inelastic Demand       d. Relatively Elastic Demand       c. Perfectly Inelastic Demand       d. Relatively Elastic Demand       d. Relatively Elastic Demand         18. The locus of the points which gives same level of satisfaction is associated with       a. Indifference Curves       b. Cardinal Analysis       c. Law of Supply         19. Ordinal Utility can be measured by       a. Ranking       b. Numbering       c. Wording       d. None of these         20. The indifference curve are       a. vertical       b. horizontal       c. positive sloped       d. Negatively sloped         11. ANSWER THE FOLLOWING QUESTIONS IN ONE OR TWO SENTENCES.       21. Define Utility.       In economic utility is the want satisfying power of a commodity or a service.       It is in the goods and service for an individual consumer at a particular time and at a particular place.         22. Mention the classifications of wants.       ? Necessaries: Food, Clothing and Shelter       ? Comforts: TV, Fan, Refrigerator and Air conditioner.         ? Luxuries: Jewelry, Diamonds and cars       23. Name the basic approaches to consumer behavior.       ? Cardinal Approach		curve is the locus of all com		
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• It is also called ISO-Utility Curve or Equal Satisfaction Curve".

# 26. Write the formula of consumer's surplus.

- Consumer's Surplus = Potential price Actual Price
- Consumer's Surplus =  $TU (P \times Q)$

# 27. What are Giffen goods? Why it is called like that?

- > It is an exception to the law of demand.
- > When the price of inferior goods falls, the poor will buy less and vice versa.

# **III. ANSWER THE FOLLOWING QUESTIONS IN ONE PARAGRAPH:**

# 28. Describe the feature of human wants.

Wants are unlimited:

Human wants are countless in number and various in kinds.

# Wants become habits :

When a man starts reading news paper in the morning, it becomes a habit.

## Wants are Alternative:

There are alternative ways to satisfy a particular want

## 29. Mention the relationship between marginal utility and total utility.

S.no	Marginal Utility	Total Utility
1	It declines	It increases
2	It reaches zero	It reaches maximum
3	It becomes negative	It declines.

# 30. Explain the concept of consumer's equilibrium with a diagram.

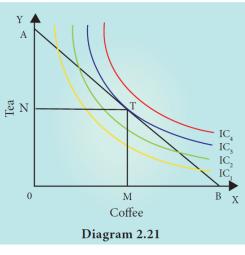
## Meaning:

Consumer will attain equilibrium when he gets maximum satisfaction from his expenditure on different goods is highest.

# **Consumer Equilibrium: MRSxy = Px / Py**

- T is the point of equilibrium as budget line AB is tangent on indifference curve IC3 the upper IC which implies maximum possible level of satisfaction.
- At equilibrium point
- The slope of IC refers to MRSXY and the slope of AB refers to ratio of price of X to price of Y ie. Px/Py.
- Therefore MRS x,y = Px/Py

# 31. Explain the theory of "consumer's surplus" .



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Consumer's Surplus

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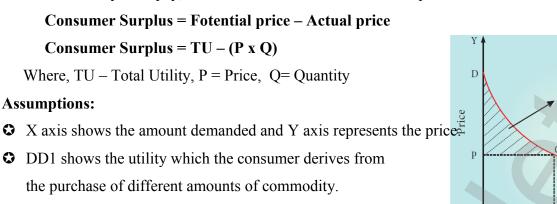
Quantity Demanded

Diagram 2.3

D1

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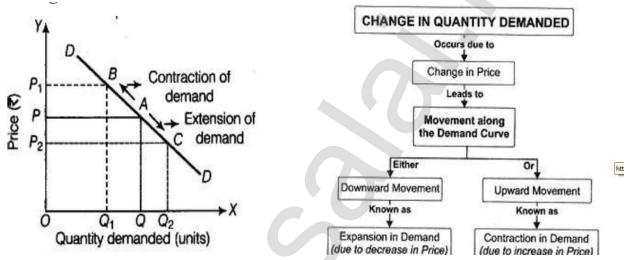
The excess of price which a person would be willing to pay rather than go without the thing, over that which he actually does pay, is the economic measures of this surplus of satisfaction.



• When price is OP, the amount demanded is OQ.

Hence, actual prices OPCQ (OP x OQ). Total utility is ODCQ.

## 32. Distinguish between extension and contraction of demand.



The changes in the quantity demanded for a commodity due to the change in its price alone are called Extension and Contraction of Demand.

## 33. What are the properties of indifference curves?

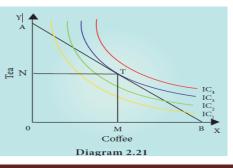
- Indifference curve must have negative slope
- ✤ Indifference curves are convex to the origin
- Indifference curve cannot intersect.
- Indifference curves do not touch the horizontal or vertical axis.

# 34. Briefly explain the concept of consumer's equilibrium.

The consumer reaches equilibrium at the point where the budget line is tangent on the indifference curve.

- T is the point of equilibrium as budget line AB is tangent on indifference curve IC<sub>3</sub> the upper IC which implies maximum possible level of satisfaction.
- \* At equilibrium point, the slope of IC refers to MRSxy

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and the slope of BL (Budget Line) refers to ratio of

price of X to price of Y ie  $P_x/P_y$ . Therefore MRS<sub>x</sub>,<sub>y</sub> =  $P_x/P_y$ .

## **IV. ANSWER THE FOLLOWING QUESTIONS IN ABOUT A PAGE:**

#### 35. Explain the law of demand and its exceptions.

#### Definitions

The Law of Demand says as "the quantity demanded increases with a fall in price and diminishes with a rise in price".

## Assumptions of Law of Demand:

- The income of the consumer remains constant.
- The taste, habit and preference of the consumer remain the same.
- The prices of other related goods should not change.
- There should be no substitutes for the commodity in study.

#### Explanation:

- Quantity demanded and Y axis represents the price of the commodity
- ▲ DD is the demand curve, which has a negative slope.
- Slop downward from left to high which indicates that when price falls the demand expands and when price rises, the demand contracts.

#### **Conclusions:**

There is an inverse relationship between the price and the quantity demanded of a commodity.

## 36. Elucidate the law of diminishing marginal utility with diagram.

#### **Definition:**

The additional benefit which a person derives from a given increase of his stock of a thing, diminishes with every increase in the stock that he already has.

#### Assumption:

- ✤ Utility can be measured by cardinal number.
- The marginal utility of money remains constant
- ✤ The consumer should be a rational consumer.
- The units of the commodity must be reasonable in size.

**Explanation:** 

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Price	Quantity
5	1
4	2
3	3

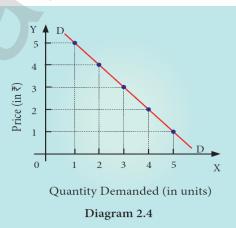
4

5

2

1

–Marshall



Units of	Total	Marginal
apple	utility	utility
1	20	20
2	35	15 (35-20)
3	45	10 (45-35)
4	50	5 (50-45)
5	50	0 (50-50)
6	45	-5 (45-50)
7	35	-10 (35-45)

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- Suppose a consumer wants to consume 7 apples one after another.
- The utility from the first apple is 20.
- But the utility from the second apple will be less than that of the (15 = 35-20), third apple (10= 45-35) and so on.
- Finally, the utility from the fifth apple becomes zero and the utilities from sixth and seventh apples are negative.

## Criticism

- Utility cannot be measured numerically, because utility is subjective.
- ▲ Law is based on the unrealistic assumptions.
- This law is not applicable to indivisible commodities.

## 37. Explain the law of Equi-marginal utility.

## Meaning:

- So analyze such a situation, the law of diminishing marginal utility is extended and is called "Law of Equi- Marginal Utility".
- **%** It is also called the "Law of Substitution".

Equi-marginal =

 $\frac{MU_A = MU_O}{P_A = P_O} = K$ 

Y A

Μ

ofApple

MUm

0

A A2

Units of Apple

#### **Assumption:**

- The consumer is rational in the sense that he wants to get maximum satisfaction.
- The utility of each commodity is measurable in cardinal numbers.
- The marginal utility of money remains constant.

#### **Explanation:**

- X axis represents the amount of money spent and Y axis represents the mariginal utilities of apple and orange respectively.
- If the consumer spends ₹10 on Apple and ₹4 on Orange, the marginal utilities of both are equal i.e.,AA1=BB1 (5=5).
- ✤ Hence, he gets maximum utility.

## 38. What are the methods of measuring Elasticity of demand?

#### Methods :

The percentage method

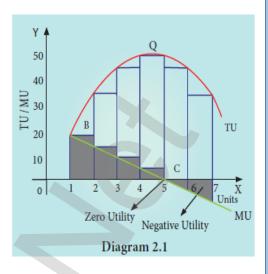
₲ Total outlay method

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Units of Orange

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Orange

MU.

B2 B1

Se Point elasticity method

#### i). The percentage method:

$$e_p = \frac{\Delta Q}{\Delta P} \times \frac{P}{Q}$$

It is also known as ratio method, when we measure the ratio as:

$$e_{p} = \frac{\% \Delta Q}{\% \Delta P}$$
 where,

 $\%\Delta Q$ = percentage change in demand

$$\%\Delta P$$
 = Percentage change in price

 $(P \times Q)$ 

#### ii). Total outlay Method:

The examines the change in total outlay of the consumer or total revenue of the firm.

Total revenue	=
TR	=

(Price x Quantity sold)

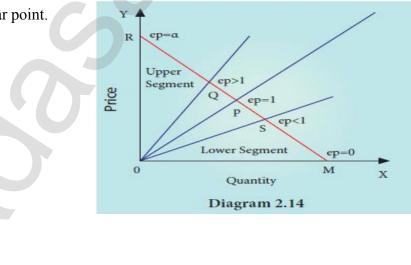
Price	Quantity Demanded		Elasticity
150	3	450	e > 1
125	-4	ן 500	e = 1
100	5	500 ך 500	e <1
75	6	450	

Table 2.6 Total Outlay Method

#### iii). Point Elasticity Method:

It is a linear demand curve is shown by the ratio of the segments of the line to the right and to the left of the particular point.

Ep = L / U



*a\*a\*a\*a\*a\*a\*a*\*a

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CHAPTER 3	PRO	DUCTION A	NALYSIS
. Multiple Ch	oice Questions:		
1. The primary fact	ors of production are:		
a. Labour and Or	ganization	b. Labour and Ca	pital
c. Land and Capi	tal	d. Land and Lab	oour.
2. The man-made p	hysical goods used to pro	oduce other goods and	l services are referred to as.
a. Land	b. Labour	c. Capital	d. Organization.
3. Formula for calcu	lating AP is		
a. $\Delta TP/N$	b. ΔΤΡ/ΔΝ	c. TP/MP	d. TP/N
l. Which factor is ca	alled the changing agent	of the Society	
a. Labourer	b. Land	c. Organizer	d. Capital
5. Who said, that on	e of the key of an entrep	reneur is "uncertaint	y-bearing".
a. J.B.Clark	b. Schumpeter	c. Knight	d. Adam Smith
5. The functional re	lationship between "inpu	its" and "outputs" is	called as
a. Consumption	Function	b. Production Fu	inction
c. Savings Funct	ion	d. Investment Function	
7. In a firm 5 units	of factors produce 24un	its of the product. W	hen the number of factor increas
by			
one, the producti	on increases to 30 units.	Calculate the Avarage	e Product.
a. 30	b. 6	c. 5	d. 24
8. The short-run pr	oduction is studied throu	ıgh	
a. The Laws of F	Returns to Scale	b. The Law of V	ariable Proportions
c. Iso-quants		d. Law of Deman	d
). The long-run pro	duction function is expla	ined by	
a. Law of Dem	and	b. Law of Supply	
c. Returns to S	Scale	d. Law of Variabl	e Proportions
l0. An Iso-quant cu	rve is also known as		
a. Inelastic Supp	ly Curve	b. Inelastic Dema	nd Curve
c. Equi-marginal	Utility	d. Equal Produc	t Curve
1. Mention the eco	nomies reaped from insid	le the firm	
a. financial	b. technical	c. managerial	d. all of the above
2. Cobb-Douglas p	roduction function assum	nes	
a. Increasing retu	Irns to scale	b. Diminis	shing returns to scale
c. Constant retu	irns to scale	d. All of t	he above
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		- Geor	ge J. Stigler
per unit of time."			
"It is the relationship between	n inputs of productive s	services per unit of tim	e and outputs of product
23. State the production fu	nction.		
			- Marshall
owner of the labour-power.			
Labour represents services pr	covided by the factor la	abour, which helps in y	yielding an income to the
22. Define Labour.			
<ul> <li>Labour</li> </ul>	e	Organization	
Land	e	Capital	
21. Classify the factors of	production.		
II. ANSWER THE FOLLOWI	NG QUESTIONS IN	I ONE OR TWO SE	NTENCES.
c. the quantity of inputs and	the quantity of output	t. d. the quantity of inp	uts and input prices.
a. input prices and output price	es	b. input prices and th	e quantity of output
20. A production function measu	res the relation betwe	en	
c. must be increasing		d. both a and c	
a. must be greater than average	ge product	b. must be less than	average product
<b>19. If average product is decreas</b>	ing, then marginal pro	oduct	
a. Negative <b>b.</b> Po	ositive	c. Zero	d. Increase
18. The relationship between the	price of a commodity	and the supply of cor	nmodity is
d. The slopes of isoquant and	isocost lines are differe	nt.	
c. MRTS and price ratio are	equal to each other		
b. MRTS is lesser than the pri	ce ratio		
a. Marginal rate of technical s	ubstitution (MRTS) is g	greater than the price ra	tio
17. Producer's equilibrium is acl	hieved at the point wh	ere:	
a. Increasing returns	b. decreasing returns	c. Constant returns	d. variable proportions.
16. Modern economists have pro	pounded the law of		
a. Marginal product	b. Total product	c. Average product	d. Annual product
15. Product obtained from additi	onal factors of produc	ction is termed as	
a. Its limited supply.	b. It is mobile	c. Heterogeneous	d. Gift of Nature
14. Which of the following is not	a characteristic of lan	d?	
c. Constant returns to scale		d. All of the above	
a. Increasing returns to scale		b. decreasing returns	to scale
inputs,			
13. Name the returns to scale wh	en the output increase	es by more than 5%, fo	or a 5% increase in the

# 24. Define Marginal Product of a factor.

It is the addition or the increment made to the total product when one more unit of the variable input is employed.

## 25. What is Iso-cost line?

It's illustrates all the possible combinations of two factors that can be used at given costs and for a given producer's budget.

# 26. What are the conditions for producer's equilibrium?

- It must be tangent to iso-quant curve.
- ▲ At point of tangency, the iso-quant curve must be convex to the origin.

# 27. What are the reasons for upward sloping supply curve?

- ▲ As the price of the commodity increases, the quantum supplied of the commodity also increases.
- Thus the supply curve has a positive slope from left to right.

# **III. ANSWER THE FOLLOWING QUESTIONS IN ONE PARAGRAPH.**

## 28. What are the characteristics of land?

- **\*** "Land is a primary factor of production.
- **\*** "Land is a passive factor of production.
- **\*** "Land is the free gift of Nature.
- ♣ "Land is permanent.
- "Land is immovable

# 29. What are the factors governing elasticity of supply?

- ▲ Nature of the commodity
- ▲ Cost of production
- Technical condition
- ♠ Time factor

# 30. What are the functions of Entrepreneur?

- > Initiation
- ➢ Innovation
- > Co-Ordination
- Control, Direction & Supervising
- Risk- Taking

# 31. State and explain the elasticity of supply.

- It may be defined as the degree of responsiveness of change in supply to change in price on the part of sellers.
- Elasticity of Supply = Proportionate change in supply/ proportionate change in price

PREPARL  $e_{s=}(\Delta Q_s/Q_s) / (\Delta P/P); e_s = \Delta Q_s / \Delta P \times P/Q_s$ 

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#### 32. Bring out the Relationship among Total, Average and Marginal Products.

Stages	ТР	AP	MP
Ι	increases at an increasing	Beginning it increases, reaches a	Increases then attain maximum.
	rate	maximum and starts to decrease.	
II	Increases at admonishing	Diminish and becomes	Equal to MP and then begins to
	rate and reaches maximum	equal to zero	diminish
III	Diminishes	Become negative	Continues to diminish but
			always greater than zero

#### 33. Illustrate the concept of Producer's Equilibrium.

#### Menaing:

The producer manufactures a given amount of output with *'least cost combination of factors'*, with his given budget.

**Jnits** of a capital

Ρ

Ρ

N

0

M

1 12 13

Units of labour

## **Conditions for Producer's Equilibrium:**

- ▲ The iso-cost line must be tangent to iso-quant curve.
- At point of tangency, the iso-quant curve must be convex to the origin.
- At point E the firm employs OM units of labour and ON units of capital.
- The other points such as H, K, R and S lie on higher iso cost lines indicating that a larger outlay is required.

## 34. State the Cobb-Douglas Production Function.

## Meaning:

It is a linear homogeneous production function which implies that the factors of production can be substituted for one another up to a certain extent only.

## The Cobb-Douglas production function can be expressed as follows.

## $Q = AL \alpha K\beta$

Where, Q = output; A = positive constant; K = capital; L = Labor  $\alpha$  and  $\beta$  are positive fractions showing, the elasticity coefficients of outputs for the inputs labor and capital, respectively.

- $\beta = (1 \alpha)$  since  $\alpha + \beta = 1$ . denoting constant returns to scale.
- Factor intensity can be measured by the ratio  $\beta / \alpha$ .

# IV. ANSWER THE FOLLOWING QUESTIONS IN ABOUT A PAGE

# 35. Examine the Law of Variable Proportions with the help of a diagram.

Meaning:

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IQ(500 Units)

X



The law of variable proportions states that as the quantity of one factor is increased, keeping the other factors fixed, the marginal product of that factor will eventually decline.

#### **Assumptions:**

- Only one factor is variable while others are held constant.
- All units of the variable factor are homogeneous.
- The product is measured in physical units.
- There is no change in the price of the product.

#### **Total Product (TP)**

- It refers to the total amount of commodity produced by the combination of all inputs in a given period of time.
- $\bullet \quad \mathbf{TP} = \sum \mathbf{MP}$

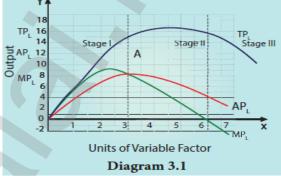
#### **Average Product (AP)**

It is the result of the total product divided by the total units of the input employed.

AP = TP/N

#### **Marginal Product (MP)**

- It is the addition or the increment made to the total product.
- $\bullet MP = \Delta TP / \Delta N$



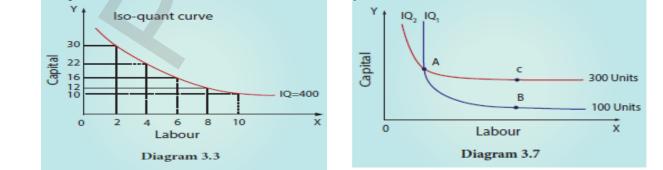
## 36. List out the properties of iso-quants with the help of diagrams.

#### Meaning:

- An –iso-quant curve can be defined as the locus of points representing various combinations of two inputs capital and labour yielding the same output.
- So The iso-quant is also called as the "Equal Product Curve".

#### Properties of iso-quant curve:

- The iso-quant curve has negative slope.
- Convex to the origin
- Non inter-section of iso quant curves
- An upper iso-quant curve represents a higher level of output.
- Iso-quant curve does not touch either x azis and y axis.



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# 37. Elucidate the Laws of Returns to Scale. Illustrate.

# Meaning:

The laws of returns to scale explain the relationship between output and the scale of inputs in the long run when all the inputs are increased in the same proportion.

## Assumptions:

- All the factors of production are variable but organizations are fixed.
- There is no change in technology
- There is perfect competition in the market.
- Outputs or returns are measured in physical quantities.

## Three phases of return to scale:

- Increasing returns to scale
- Constant returns to scale
- Diminishing returns to sclae

## **Explanation:**

- In the movement from point a to point b represents increasing returns to scale.
- The law of constant retrurns to scale is implied by the movement from the point b to point c
- Decreasing returns to scale are denoted by the movement from the point c to point d

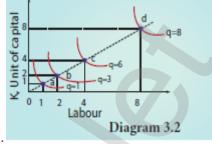
## 38. Explain the internal and external economies of scale.

Basic	Internal	External
Technical	There is possibility to introduce up	Increased transport facilities.
Economies	to date technologies.	
Financial	Big firms can float shares in the	Banking facilities.
economies	market for capital expansion.	
Managerial	Large scale production facilitates	Development of townships.
economies	specialization and delegation.	
Labour econom	Large scale production implies greater	Development of information
	and minute division of labour.	communication.
Marketing	The producer can both buy raw	Expansion of the plant size.
economies	materials in bulk at cheaper cost.	

@\*@\*@\*@\*@\*@

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Stages	Input	Output	Returns to Scale
a to b	100% 1	200% ↑	Increasing
b to c	100% ↑	100% ↑	Constant
c to d	100% ↑	33.33% ↑	Decreasing
	a to b b to c	a to b 100% ↑ b to c 100% ↑	a to b 100%↑ 200%↑ b to c 100%↑ 100%↑

## **CHAPTER 4**

# **COST AND REVENUE ANALYSIS**

# I. MULTIPLE CHOICE QUESTIONS

1. Cost refers to	•			
a. price	b. value	c. fixed cost		d. cost of production
2. Cost functions are als			n.	
a. production	b. investment			d. consumption
3. Money cost is also kn				
a. explicit	b. implicit	c. social		d. real
4. Explicit cost plus imp	-			
a. social	b. economic			d. fixed
5. Explicit costs are terr		5		
a. out of pocket e		real cost	c. social cost	d. sunk cost
6. The costs of self–own	ed resources are term	ned as	cost.	
a. real	b. explicit	c. money		d. implicit
7. The cost that remains	s constant at all level	s of output is	cost.	
a. fixed	b. variable	c. real		d. social
8. Identify the formula	of estimating average	e variable cost.		
a. TC/Q	b. TVC/Q	c. TFC/Q		d. TAC/Q
9. The cost incurred by	producing one more	unit of output is	cost.	
a. variable	b. fixed	c. marginal		d. total
10. The cost that varies	with the level of outj	put is termed as _	cost.	
a. money	b. variable cost	c. total cost		d. fixed cost
11. Wage is an example	for cost of	the production.		
a. fixed	b. variable	c. marginal		d. opportunity
12. The cost per unit of	output is denoted by	cost.		
a. average	b. marginal	c. variable		d. total
13. Identify the formula	of estimating averag	ge cost.		
a. AVC/Q	b. TC/Q	c. TVC/Q		d. AFC/Q
14. Find total cost where	e TFC=I00 and TVC	c = 125.		
a. 125	b. 175	c. 225		d. 325
15. Long-run average co	ost curve is also calle	d as	curve.	
a. demand	b. planning	c. production	1	d. sales
16. Revenue received fr	om the sale of produ	cts is known as _	revenue	e.
a. profit	b. total revenue	c. average		d. marginal
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17. Revenue received from the sale of additional unit is termed as			revenue.	
a. profit	b. average	c. marginal	d. total	
18. Marginal revenue	e is the addition made to t	he		
a. total sales	b. total revenue	c. total production	d. total cost	
19. When price rema	ins constant, AR will be _	MR.		
a. equal to	b. greater than	c. less than	d. not related to	
20. A book seller sold 40 books with the price of Rs. 10 each. The total revenue of the seller is				
a. 100	b. 200	c. 300	d. 400	

## **II. ANSWER THE FOLLOWING QUESTIONS IN ONE OR TWO SENTENCES.** 21. Define cost.

- Cost refers to the total expenses incurred in the production of a commodity.
- Cost analysis refers to the study of behavior of cost in relation to one or more production.

#### 22. Define cost function.

- The functional relationship between cost and output is expressed as cost function.
- $\bullet C = f(Q)$
- Where, c = cost and Q = quantity of output.

#### 23. What do you mean by fixed cost?

- Fixed cost does not change in the quality of output.
- Fixed cost is also called as supplementary cost.

#### 24. Define Revenue.

- The amount of money that a producer receives in exchange for the sale of goods is known as revenue.
- It means sales revenue.
- $\bullet TR = P \times Q$

## 25. Explicit Cost - Define.

- ◆ It refers to the actual expenditure of the firm to purchase the inputs the firm needs.
- ✤ Examples: Wages, payment for raw material

## 26. Give the definition for 'Real Cost'.

- Real cost refers to the payment made to compensate the efforts and sacrifices of all factor owners for their services in production.
- It includes the efforts and sacrifices landlords in the use of land.

#### 27. What is meant by Sunk cost?

- A cost incurred in the past and cannot be recovered in future is calls as sunk cost.
- Shey are unrecoverable.

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## **III. ANSWER THE FOLLOWING QUESTIONS IN ONE PARAGRAPH.**

#### 28. Distinguish between fixed cost and variable cost.

s.no	Fixed cost	Variable cost
1	It refers to the incurred on the fixed factors	It refers to the cost incurred on the variable factors
	production.	production.
2	This Cost Remains Constant irrespective	It varies with levels of outputs
	of the levels of outputs.	
4	This is also known as supplementary cost.	This is also known as prime cost

#### 29. State the differences between money cost and real cost.

	no Money cost Real cost		
s.no	Money cost	Real cost	
1	Production cost expressed in money terms is	The efforts and sacrifices of all factor owners for t	
	called money cost.	services in production.	
2	It includes the expenditure such as cost of raw	It includes the efforts and sacrifices of landlords	
	materials, payment of wages and salaries.	use of land, capitalist.	
4	It is also called as prime cost or direct cost.	It is also called opportunity cost	

#### 30. Distinguish between explicit cost and implicit cost.

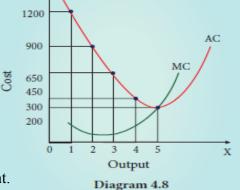
s.no	Explicit cost	Implicit cost		
1	It includes actual money expenditure incurred	It is not actual money expenditure but is the cost o		
	by a firm in hiring or buying the factors it	factors owned by the firm and used by the form in		
	needs in the production process.	production process.		
2	It is a payment concept	It is a receipt concept		
4	Examples: Wages, rent, Interest	Examples: Wages of self labour		

#### 31. Define opportunity cost and provide an example.

- It refers to the cost of next best alternative use.
- It is the value of the next best alternative foregone.
- Ex: A farmer can cultivate both paddy and sugarcane in a farm land.
- Opportunity cost is also called as Alternative cost.
  - When MC < AC, AC falls
  - When MC = AC, AC is constant and at its minimum point.
  - When MC > AC, Ac rises.

#### 32. State the relationship between AC and MC.

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Y

- When Ac is falling, MC lies below AC.
- ♦ When AC becomes constant, MC also becomes equal to it.
- When AC starts increasing MC lies above the AC.
- ✤ MC curve always cuts AC at its minimum point from below.

# 33. Write a short note on Marginal Revenue.

- Marginal cost is the addition made to the total cost by producing one extra unit of output.
- $MC = \Delta TC / \Delta Q$
- Where MC denotes Marginal cost, ΔTC denotes change in the total cost and ΔQ denotes change in total quantity.
- The other method of estimating MC is :  $MC = TC_n TC_{n-1}$ .
- MC Marginal Cost,  $TC_n$  Total cost of  $n^{th}$  item,  $TC_n$ -1 Total cost of  $1^{th}$  item.

# 34. Discuss the Long run cost curves with suitable diagram.

- In the long run all factors of production become variable.
- The existing size of the firm can be increased in the case of long run.
- There are either fixed inputs nor fixed costs in the long run.
- LAC is equal to long run total costs divided by the level of output.

# LAC = LTC/Q

LAC – Long run Average Cost

LTC – Long run Total Cost

Q – Quantity of output

• The LAC curve is called "Plant Curve" or Boat Shape Curve"

or Planning Curve

# IV. ANSWER THE FOLLOWING QUESTIONS IN ABOUT A PAGE

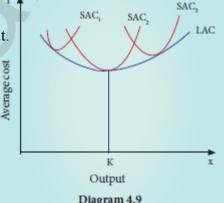
# 35. If total cost = 10+Q3, find out AC, AVC, TFC, AFC when Q=5.

TC = TFC + TVC	135 = x + 125	
10 + (5) 3	135 -125 = 10	
TC = 10 + 125		$\mathbf{TFC} = 10$
TC = 135	AFC = TFC /Q	
135 = 10 + TVC	AFC = 10/5 =	AFC = 2
135 - 10 = TVC	AVC = TVC $/Q$	
125 = TVC	= 125/5	AVC = 25
TVC = 125, TC = 135, therefore TFC ?	AC = TC/Q	
TC = TFC + TVC	= 135/5	AC = 27

36. Discuss the short run cost curves with suitable diagram. <u>Short Run Cost Curves:</u>

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#### i). Total Cost:

Total cost is the sum of Total Fixed Cost and Total Variable Cost TC = TFC + TVC

#### ii). Average Fixed Cost Curve:

It is the fixed cost per unit of output.

$$AFC = TFC / Q$$

#### iii). Average Variable Cost:

It is the variable cost per unit of output

$$AVC = TVC / Q$$

#### iv). Average Cost:

It is the total cost divided by the number of

units of output produced.

## AC = TC/Q

#### v). Marginal Cost:

It is the additional made to the total cost by the production of one additional unit of output

#### $MC_n = TC_n - TC_n - 1$

# 37. Bring out the relationship between AR and MR curves under various price conditions.

#### **Average Revenue:**

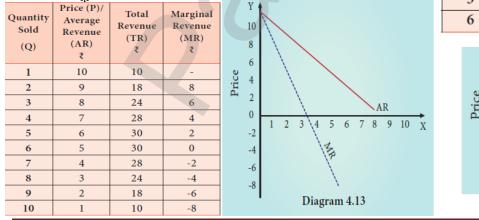
- It is the revenue per unit of the commodity sold. It is calculated by dividing the total revenue TR, AR, MR Constant price
- AR = TR / Q

#### Marginal revenue:

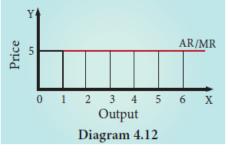
 It is the addition made to the total revenue by selling one more unit of a commodity

$$A MR_n = TR_n - TR_{n-1}$$

#### AR, TR, MR at declining price

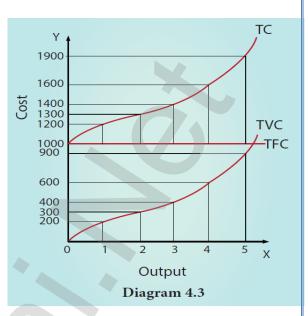


Quantity	Price	Total	Average	Marginal
Sold	(P)	Revenue	Revenue	Revenue
(Q)		(TR)	(AR)	(MR)
	₹	₹	₹	₹
1	5	5	5	5
2	5	10	5	5
3	5	15	5	5
4	5	20	5	5
5	5	25	5	5
6	5	30	5	5



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- If a firm is able to sell additional units at the same price then AR and MR will be constant and equal.
- If the firm is able to sell additional units only by reducing the price, both AR and MR will fall and be different

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CHAPTER 5	MARKET S	STRUC	TURE A	ND P	RICING
I. MULTIPLE CHOICE Q	JESTIONS				
1. In which of the following is	not a type of mark	et structur	e Price will be	very high	?
a. Perfect competition	b. Monopoly	c. I	Duopoly	d. Oli	gopoly
2. Equilibrium condition of a f	firm is				
a. $MC = MR$	b. MC > MR	c. N	MC < MR	d. MR	= Price
<b>3. Which of the following is a</b>	feature of monopol	istic compo	etition?		
a. One seller	b. Few sellers	c. I	Product differe	ntiation	d. No entry
4. A firm under monopoly can	earn in	the short <b>r</b>	·un.		
a. Normal profit	b. Loss	c. Super n	ormal profit		d. More loss
5. There is no excess capacity	under	••••			
a. Monopoly		b. Monopo	listic competition	on	
c. Oligopoly		d. Perfect	competition		
6. Profit of a firm is obtained v	when				
a. TR < TC b.	TR - MC	c. TR > T	C d. T	TR = TC	
7. Another name of price is	••••				
a. Average Revenue	b. Marginal Re	evenue	c. Total Re	venue	d. Average Cost
8. In which type of market, Al	R and MR are equa	ıl			
a. Duopoly		b. 1	Perfect compet	ition	
c. Monopolistic competi	tion	d. (	Oligopoly		
9. In monopoly, MR curve lies	below				
a. TR b.	MC	c. AR	d. A	чС	
10. Perfect competition assum	es				
a. Luxury goods b.	Producer goods	c. Differen	tiated goods	d. Ho	mogeneous good
11. Group equilibrium is analy	ysed in				
a. Monopolistic compet	ition	b. N	Monopoly		
c. Duopoly		d. I	Pure competition	n	
12. In monopolistic competitio	n, the essential fea	ture is			
a. Same product	b. selling cost	c. S	Single seller		d. Single buyer
13. Monopolistic competition i	s a form of				
a. Oligopoly	b. Duopoly	c. I	mperfect comp	oetition	d. Monopoly
14. Price leadership is the attr	ibuta of				

a. Perfect competition	b. Monopoly	c. Oligopoly	d.Monopolisticcompetition			
15. Price discrimination will always lead to						
a. Increase in output	b. Increase in profit	c. Different pric	es d. b and c			
16. The average revenue curve un	16. The average revenue curve under monopolistic competition will be					
a. Perfectly inelastic	b. Perfectly elastic	c. Relatively el	astic d. Unitary elastic			
17. Under perfect competition, the	e shape of demand cu	rve of a firm is	•••••			
a. Vertical	b. Horizontal	c. Negatively sl	oped d. Positively sloped			
18. In which market form, does al	bsence of competition	prevail?				
a. Perfect competition	b. Monopoly	c. Duopoly	d. Oligopoly			
19. Which of the following involve	es maximum exploita	tion of consumer	s?			
a. Perfect competition	b. Monopoly	c. Monopolistic	competition d.			
Oligopoly						
20. An example of selling cost is	•					
a. Raw material cost b. Tra	nsport cost c. Ad	vertisement cost	d. Purchasing cost			
II. ANSWER THE FOLLOW	VING QUESTION	S IN ONE OR	TWO SENTENCES.			
21. Define Market.						
In economics the term market	refers to a system of e	xchange between	the buyers and the sellers of a			
commodity directly or indirect	ly.					
22. Who is price-taker?						
<ul><li>It is a seller who has no con</li></ul>	trol to fix price for a g	ood or service.				
A price taker simply has to	accept the market pric	e.				
23. Point out the essential	features of pure	competition.				
<ul> <li>Large number of buyers and</li> </ul>	d sellers					
<ul> <li>Homogeneous product and</li> </ul>	uniform price					
$\clubsuit \ \ Free entry and exit$						
<ul><li>✤ Absence of transport cost.</li></ul>						
24. What is selling cost?						
It refers to those expenses	which are incurred f	or popularizing	the differentiated product and			
increasing the demand for it.						
25. Draw demand curve of a	a firm for the foll	owing:				
a) Perfect Competition		b) Mor	lopoly			
price		price				
—————De	mand					
			Demand			
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Quantity of output

# Quantity of output

# 26. Mention any two types of price discrimination

- \* Personal different prices are charged for different individuals.
- \* Geographical Different prices are charged at different places for the same product.

# 27. Define "Excess capacity".

0 —

A monopolistic firm produces deliberately output which is less than the optimum output that is the output corresponding to the minimum average cost.

0

# III. ANSWER THE FOLLOWING QUESTIONS IN ONE PARAGRAPH.

# 28. What are the features of a market?

- Buyers and sellers of a commodity or a service
- A commodity to be bought and sold
- Price agreeable to buyer and seller
- Direct or indirect exchange

# 29. Specify the nature of entry of competitors in perfect competition and monopoly.

Nature of Entry of competitor			
Perfect competition	Monopoly		
It is possible for the very efficient	There is strict barrier for entry of any new firm		
producer producing the product at a very low cost, to earn super normal profit.			

# 30. Describe the degrees of price discrimination.

# i). First degree price discrimination

- A monopolist charges the maximum price that a buyer is willing to pay.
- For example, Auctions

# ii) Second degree price discrimination

- Under this degree, buyers are charged prices in such a way that a part of their consumer's surplus is taken away by the sellers.
- For example, Cinema theatres

# iii) Third degree price discrimination

- The monopolist splits the entire market into a few sub-market and charges different price in each sub-market.
- ♠ For example, railways

# 31. State the meaning of selling cost with an example.

- It was Chamberlin who introduced the analysis of selling costs.
- Selling cost play the key role in monopolistic competition.

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- The firms have to compete to promote their sale by spending on advertisement and publicity ads to the demand of the product.
- ✤ In selling cost we include the salaries, allowance.

# 32. Mention the similarities between perfect competition and monopolistic competition.

S.No	Basis	Perfect Competition	Monopolistic competition
1	Number of products	In numerable	Large
2	Entry	Free	Free
3	Quantity	Very large	Substantial

#### 33. Differentiate between 'firm' and 'industry'.

S.No	Basis	Firm	Industry
1	Meaning	It refers to a single production	It refers to a group of firms
		unit in an industry	
2	Production	Producing a large or a small	Producing the same product or service
		quantum of a commodity or service	in an economy.
3	Example	A single cement firm	Cement industry

#### 34. State the features of duopoly.

- Each seller is fully aware of his rival's motive and actions.
- ➤ Both sellers may collude.
- > They may enter into cut throat competition.
- > They fix the price for their product with a view to maximizing their profit.

## **IV. ANSWER THE FOLLOWING QUESTIONS IN ABOUT A PAGE**

#### 35. Bring out the features of perfect competition.

#### a. Large Number of Buyers and Sellers:

- Some that the state of the s
- So This means that he has no power to fix the price of the product.

#### **b.** Homogeneous Product and Uniform Price

- All the units of the product are identical of the same size, shape, colour, quality etc.
- Therefore, a *uniform price* prevails in the market.

#### c. Free Entry and Exit

- Efficient producer, producing the product at a very low cost, to earn *super normal profits*.
- ✤ Attracted by such a profit, new firms enter into the industry.

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## d. Absence of Transport Cost

 $\blacktriangleright$  The prevalence of the uniform price is also due to the absence of the transport cost.

## e. Perfect Knowledge of the Market

• All buyers and sellers have a thorough knowledge of the quality of the product, prevailing price etc.

# 36. How price and output are determined under the perfect competition?

## Meaning:

It is that type of market in which the number of buyers and sellers is very large, all are engaged in buying and selling a homogeneous product at uniform price.

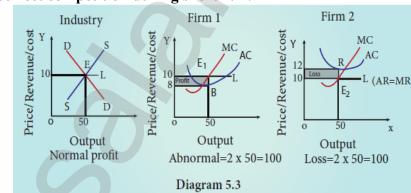
#### **Important Features:**

- Large number of buyer and sellers
- ✤ Free entry and exit
- Homogeneous product and uniform price
- ✤ Absence of transport cost

## Price and output determination - perfect competition during short run:

- AR Average Revenue
- AC Average Cost
- MR Marginal Revenue
- MC Marginal Cost

The firms under perfect competition take price (10) from the industry and start adjusting their quantities produced.



## 37. Describe the features oligopoly.

#### i). Few large firms

Very few big firms own the major control of the whole market by producing major portion of the market demand.

## ii). Interdependence among firms

The price and quality decisions of a particular firm are dependent on the price and quality decisions of the rival firms.

## iii). Group behavior

The firms under oligopoly realize the importance of mutual co-operation.

## iv). Advertisement cost

The oligopolist could raise sales either by advertising or improving the quality of the product.

## v). Nature of product

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Perfect oligopoly means homogeneous products and imperfect oligopoly deals with heterogeneous products.

#### 38. Illustrate price and output determination under Monopoly.

#### Meaning:

\* It is a market structure characterized by a single seller, selling the unique product with the restriction for a new firm to enter the market.

#### **Features:**

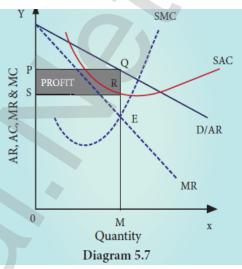
- ✤ There is a single producer/seller of a product.
- The product of monopolies is unique and has no close substitute.
- ✤ There is strict barrier for entry of any new firm.
- ✤ The monopolist is a price-maker.

#### Price and Output Determination under Monopoly

#### **Explanation:**

- The diagram shows that MC cuts MR at E to give equilibrium output as OM.
- At OM, the price charged is OP.
- Also at OM, the cost per unit is MS.
- Therefore, profit per unit is SQ.

#### Total Profit = Average Revenue - Average Cost x Total output



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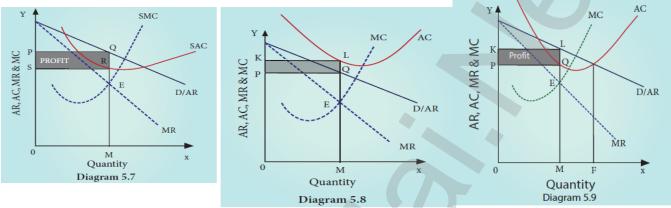
# 39. Explain price and output determined under monopolistic competition with help of diagram.

#### Meaning:

It refers to a market situation where there are many firms selling's differential product.

#### **Important features:**

- Large number of buyers and many sellers
- Firms produce differentiated products.
- Firms compete with each other by incurring selling cost.
- Non-price competition.



#### **Explanation:**

- The profit maximization is achieved when MC = MR
- Total profit is PQRS. This is super normal profit under short run.
- Total loss is PQLK. This firm incurs loss in the short run.
- In the long run AR curve is more elastic.

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CHAPTER 6	DISTRIBU		
I. MULTIPLE CHOICE	QUESTIONS		
1. In Economics, distributi	on of income is among	g the	
a. factors of production b. individual c. firms d. traders			
2. Theory of distribution is	s popularly known as,		
a. Theory of product	-pricing		b. Theory of factor-pricing
c. Theory of wages		d. Theory of Interest	
3. Rent is the reward for the	he use of		
a. capital	b. labour	c. land	d. organization
4. The concept of 'Quasi-R	lent' is associated with	1	
a. Ricardo	b. Keynes	c. Walker	d. Marshall
5. The Classical Theory of	Rent was propounded	d by	
a. Ricardo	b. Keynes	c. Marshall	d. Walker
6. 'Original and indestruct	tible powers of the soil	l' is the term us	ed by
a. J.S.Mill	b. Walker	c. Clark	d. Ricardo
7. The reward for labour is	S		
a. rent	b. wage	c. profit	d. interest
8. Money wages are also k	nown as		
a. real wages	b. nominal wages	c. original wag	es d. transfer wages
9. Residual Claimant Theo	ory is propounded by		
a. Keynes	b. Walker	c. Hawley	d. Knight
10. The reward given for t	he use of capital		
a. rent	b. wage	c. interest	d. profit
11. Keynesian Theory of ir	nterest is popularly kn	own as	
a. Abstinence Theory	y	b. Liquidity P	reference Theory
c. Loanable Funds T	heory	d. Agio Theory	7
12. according to the Loana	ble Funds Theory, su	pply of loanable	e funds is equal to
a. S + BC + DH + D	<b>a.</b> $\mathbf{S} + \mathbf{BC} + \mathbf{DH} + \mathbf{DI}$ <b>b.</b> $\mathbf{I} + \mathbf{DS} + \mathbf{DH} + \mathbf{BM}$		
c. S + DS + BM + D	Ι	d. S + BM + D	H + DS
13. The concept of meeting	gunexpected expendit	ure according t	o Keynes is
a. Transaction motiv	e	b. Precautiona	ary motive
c. Speculative motive	e	d. Personal mo	tive
14. The distribution of income	ome or wealth of a cou	untry among the	e individuals are

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a. functional distribut	tion <b>b.</b>	personal distribution	
c. goods distribution	d.	services distribution	
15. Profit is the reward for			
a. land	b. organization	c. capital	d. labour
16. Innovation Theory of p	rofit was given by		
a. Hawley	b. Schumpeter	c. Keynes	d. Knight
17. Quasi-rent arises in			
a. Man-made applia	nces b. Homemade ite	ems c. Imported it	ems d. None of
these			
18. "Wages as a sum of m	oney are paid under co	ntract by an employer t	o a worker for services
rendered" –Who sai	id this?		
a. Benham	b. Marshall	c. Walker	d. J.S.Mill
19. Abstinence Theory of In	nterest was propounded	by	
a. Alfred Marshall	b. N.W Senior	c. Bohm-Bawerk	d. Knut Wicksell
20. Loanable Funds Theory	y of Interest is called as		
a. Classical Theory	b. Modern Theory	c. Traditional Theory	d. Neo-Classical
Theory			
II. ANSWER THE FOLI	<b>LOWING QUESTIONS</b>	S IN ONE OR TWO SE	NTENCES.
21. What is meant by	distribution?		
<ul> <li>Division of income a</li> </ul>	mong the four factors of p	production.	

 Distribution is given in terms of rent to landlords, wage to labour, interest to capital and profit to entrepreneurs.

## 22. Mention the types of distribution.

- Personal Distribution
- Functional Distribution

## 23. Define 'Rent'.

It is that portion of the product of the earth which is paid to the landlord for the use of original and indestructible powers of the soil.

## 24. Distinguish between real and money wages.

S.No	Money wages	Real wages
1	It's referred to the wages paid in terms of money.	The wages paid in terms of goods and services.
2	<i>Example</i> : Money received by a worker	<i>Example:</i> real wages = money wages – effect
	per unit of time	of inflation on the purchasing power.

## 25. What do you mean by interest?

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- Interest is the price paid for the use of capital in any market.
- Interest is the reward paid by the lender for the use of capital.

## 26. What is profit?

- Profit is a return to the entrepreneur for the use of his entrepreneurial ability.
- ✤ It is the net income of the organizer.

## 27. State the meaning of liquidity preference.

The preference of the people to hold wealth in the form of liquid cash other than bonds, securities gold and etc.,

## **III. ANSWER THE FOLLOWING QUESTIONS IN A PARAGRAPH**

## 28. What are the motives of demand for money?

## i). The transaction motive:

It relates to the desire of the people to hold cash for the current transaction.

## ii). The precautionary motive:

It relates to the desire of the people to hold cash to meet unexpected.

## iii). The speculative motive:

It relates to the desire of the people to hold cash in order to take advantage of market

movements.

## 29. List out the kinds of wages.

- Money wages
- Real wages

Piece wages

## 30. Distinguish between rent and quasi-rent.

s.no	Rent	Quasi-rent	
1	Rent accurse to land	It accurse to manmade appliances	
2	The supply of land is fixed forever.	The supply of manmade appliances is fixed	
		for a short period only.	
3	It enters into price.	It does not enter into price.	

## 31. Briefly explain the Subsistence Theory of Wages.

- Wage must be equal to the subsistence level of the laborer and his family.
- The minimum amount of food, clothing and shelter which workers and their family require for existence.
- If workers are paid higher wages than the subsistence level, the workers would be better off and they will have large families.

## 32. State the Dynamic Theory of Profit.

- Population is increasing
- \* Volume of capital is increasing

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Time wages

- \* Methods of production are improving
- \* Forms of industrial organization are changing.
- \* The wants of consumer are multiplying

## 33. Describe briefly the Innovation Theory of Profit.

- Introduction of a new product
- Introduction of a new method of production.
- Opening up of a new market.
- Discovery of new raw materials

## 34. Write a note on Risk-bearing Theory of Profit.

- Profit is the reward for "risk taking" in business. Risk taking is an essential function of the entrepreneur and is the basis of profit.
- Since the entrepreneur undertakes the risks, he receives profits.
- ✤ It is the profit that induces the entrepreneur to undertake such risks.

## IV. ANSWER THE FOLLOWING QUESTIONS IN ONE PAGE

## 35. Explain the Marginal Productivity Theory of Distribution.

## Meaning:

The price or the reward for any factor of production is equal to the marginal productivity of that factor.

#### **Assumptions:**

- All the factors of production are homogeneous.
- Factors of production can be substituted for each other.
- There is perfect competition both in the factor market and product market.

## **Marginal Product:**

- The addition made to the total product by employment of an additional unit of that factor.
- The marginal product may be expressed as  $MMP = MPP \times MR$

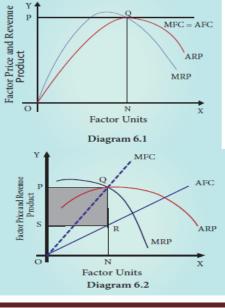
## **MP: Under Perfect Competition:**

- ♦ When there is perfect competition in the factor market, the firm is in equilibrium only when MFC = MRP.
- Hence in the diagram, the firm reaches equilibrium at point Q by employing ON units of factors and paying OP price (NQ) where MFC = MRP.
- At the point Q, MRP = ARP.
- The price paid to the factor (NQ) is also equal to marginal revenue product and average revenue product.

## **Under Imperfect Competition:**

• At the point Q, MFC = MRP, where the employer

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attains his maximum profit and so he stops employment of the factors at the point.

✤ The total exploitation of factor by the employer

is RQ x SR = PQRS.

 Thus under imperfect competition, factor is exploited at the equilibrium position.

#### 36. Illustrate the Ricardian Theory of Rent.

#### Meaning:

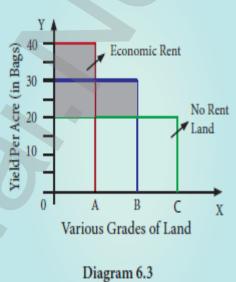
Rent is that portion of the produce of the earth which is paid to the landlord for the use of the original and indestructible powers of the soil.

#### Assumption:

- Land differs in fertility
- The law of diminishing returns operates in agriculture.
- Rent depends upon fertility and location of land.
- Theory assumes perfect competition.

#### Schedule of Ricardian Theory of Rent

Grades of lands	Production	Surplus
А	40	40-20=20
В	30	30-20=10
С	20	20-20=0



#### **Explanation:**

- Solution In diagram, X axis represents various grades of land and Y axis represents yield per acre.
- Solution OA, AB and BC are the A grade, B grade and C grade lands respectively.
- She application of equal amount of labour and capital on each of them gives a yield represented by the rectangles standing just above the respective bases.
- So The C grade land is the no-rent land, A and B grade lands are intra-marginal lands

#### 37. Elucidate the Loanable Funds Theory of Interest.

#### **Definition:**

The rate of interest is determined by the equilibrium between demand for and supply of loanable funds in the credit market.

#### **Demand for Lonable Funds**

- Demand for Investment
- Demand for Consumption
- Demand for Hoarding

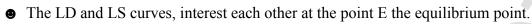
#### Equilibrium:

#### **Supply loanable Fund**

- Savings
- Bank Credit
- Dishoarding

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- The rate of interest is determined by the equilibrium between the total demand for and the total supply of loanable funds.
- = S + BC + DH + DI = I + C + H
- In diagram X axis represents the demand for and supply of loanable funds and Y axis represents the rate of interest.



• At this point OR rate of interest and OM is the amount of loanable funds.

## **Criticisms:**

- ★ The loanable funds theory is "indeterminate unless the income level is already known.
- Difficult to combine real factors like savings and investment with monetary factors like bank credit.

## 38. Explain the Keynesian Theory of Interest.

Liquidity preference means the preference of the people to hold wealth in the form of liquid cash rather than in other non-liquid asset like bonds, securities, bills of exchange, land, building, gold etc.

## **Motives of Demand Motive:**

## i). The Transaction Motive:

The desire of the people to hold cash for the current

transaction Mt = f(y)

## ii). The precautionary Motive:

Desire of the people to hold cash to meet unexpected

or unforeseen expenditures. Mp = f(y)

## iii). The speculative Motive:

It relates to the desire of the people to hold cash in order to take advantage of market movements regarding the future. Ms = f(i).

- > The rate of interest would increase from O 1 to O11.
- > The supply of money remains constants.
- > Total demand for money = Mt + Mp + Ms

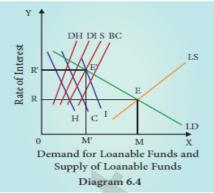
## **Demand for money = supply of money at equilibrium point:**

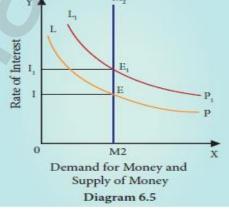
- \* Equilibrium point 1 = E = LP = M2 = I = Rate of Interest .....(1)
- \* Equilibrium point  $2 = E_1 = L_1P_1 = M2 = I_1 = Rate of Interest$  ......(2)

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#### INDIAN ECONIMY **CHAPTER 7** I. Multiple Choice Questions 1. The main gold mine region in Karnataka is ..... a. Kolar b. Ramgiri d. Cochin c. Anantpur 2. Economic growth of a country is measured by national income indicated by ..... a. GNP b. GDP c. NNP d. Per capita income 3. Which one of the following is a developed nations? d. Sri Lanka b. Ghana c. France a. Mexico 4. The position of Indian Economy among the other strongest economies in the world is .. b. Seventh c. Fifth d Tenth a. Fourth 5. Mixed economy means ..... b. Co-existence of Public and Private sectors a Private sectors and banks c. Public sectors and banks d. Public sectors only 6. The weakness of Indian Economy is ..... a. Economic disparities b. Mixed economy d. Adequate employment opportunities c. Urbanisation 7. A scientific study of the characteristics of population is .... b. Demography c. Geography d. Philosophy a. Topography 8. The year 1961is known as ..... **b.** Year of Population Explosion a. Year of small divide c. Year of Urbanisation d. Year of Great Divide 9. In which year the population of India crossed one billion mark? a. 2000 b. 2001 c. 2005 d. 1991 10. The number of deaths per thousand population is called as ... a. Crude Death Rate b. Crude Birth Rate c. Crude Infant Rate d. Maternal Mortality Rate 11. The number of births per thousand population is called as a. Crude death rate b. Mortality rate d. Crude Birth Rate c. Morbidity rate **12.** Density of population = a. Land area / Total Population b. Land area / Employment d. Total Population / Employment c. Total Population / Land area of the region 13. Who introduced the National Development Council in India? a. Ambedkar b. Jawaharlal Nehru c. Radhakrishanan d. V.K.R.V. Rao 14. Who among the following propagated Gandhian Ecomomic thinkings. PREPARED BY P.VAHEESWARAN M.COM., M.PHIL., DCA., B.ED., Page 43

a. Jawaharlar Nehru b.	VKRV Rao	c. JC Kumarappa	d. A.K.Sen		
15. The advocate of democrati	ic socialism was				
a. Jawaharlal Nehru		b. P.C. Mahalanobis			
c. Dr. Rajendra Prasad		d. Indira Gandhi	d. Indira Gandhi		
16. Ambedkar the problem st	udied by in the context	t of Indian Economy is	••••		
a. Small land holdings a	nd their remedies	b. Problem of Indian	Currency		
c. Economics of socialis	m	d. All of them			
17. Gandhian Economics is ba	ased on the Principle				
a. Socialistic idea		b. Ethical foundation			
c. Gopala Krishna Gokh	ale	d. Dadabhai Naoroji			
18. V.K.R.V Rao was a studer	nt of				
a. J.M. Keynes	b. Colin Clark	c. Adam smith	d. Alfred Marshal		
19. Amartya Kumara Sen rec	eived the Nobel prize i	n Economics in the year			
a. 1998	b. 2000	c. 2008	d. 2010		
20. Thiruvalluvar economic id	leas mainly dealt with				
a. Wealth b. Pove	erty is the curse in the so	c. Agriculture	d. All of them		
II. ANSWER THE FOLLO	WING QUESTIONS	IN ONE OR TWO SEI	ITENCES.		
21. Write the meaning o	f Economic Growt	h.			
A country's economic	e growth is usually meas	sured by national income, in	ndicated by Gross		
domestic Product.					
22. State any two featur	es of developed ec	onomy.			
<ul> <li>High national inco</li> </ul>	ome				
<ul> <li>High per capita in</li> </ul>	come				
<ul> <li>High standard of l</li> </ul>	iving				
<ul><li>Full employment</li></ul>	XU				
23. Write the short note	on natural resour	ces.			
▲ Any stock or reserv	ve that can be drawn from	m nature is a natural resour	ce.		
▲ The major natural r	esources are land, fores	t, water, mineral and energy	у.		
24. Point out any one fe	ature of Indian Ec	onomy.			
Indian economy is a mix	ed economy.				
• This means both private	and public sectors co-ex	xist and functions smoothly			
25. Give the meaning of	non-renewable en	ergy.			
• As the name suggests, t	he sources of energy w	which cannot be renewed on	r re-used are called non-		
renewable energy reso	urces.				
• Example: Coal, oil, gas,	etc				
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## 26. Give a short note on Sen's 'Choice of Technique'.

It is a research work where he argued that in a labour surplus economy, generation of employment cannot be increased at the initial stage by the adaptation of capital-intensive technique.

#### - Sen's

## 27. List out the reasons for low per capita income as given by V.K.R.V. Rao.

- Uneconomic holdings with sub-divisions and fragmentation
- Low levels of water availability for crops
- Excess population pressure on agriculture due to the absence of alarge industrial sector.
- Absence of capital

## **III. ANSWER THE FOLLOWING QUESTIONS IN ONE PARAGRAPH.**

## 28. Define Economic Development.

- It is indicated not just by GDP, but by an increase in citizens quality of life or well beings.
- The quality of life is being assessed by several indicies such as Human Development Index, Physical Quality of Life Index and Gross national happiness index.

## 29. State Ambedkar's Economic ideas on agricultural economics.

- In 1918, Ambedkar published a paper Small Holding in India and their Remedies.
- Citing Adam Smith's Wealth of Nations, he made a fine distinction between consolidation of Holdings and Enlargement of Holdings.

## 30. Write a short note on village sarvodhaya.

- According to Gandhi, Real Indai was to be found in village and not in towns or cities.
- So he suggested the development of self-sufficient, self dependent villages.
- Sarvodaya is a Sanskrit term meaning universal uplift or progress of all.

## 31. Write the strategy of Jawaharlal Nehru in India's planning.

- ✤ The plan was essentially an integrated approach for development
- The essence of planning is to find the best way to utilize all resources of manpower, of money and so on.
- Economic growth on a self-accelerating growth.

## 32. Write the V.K.R.V.Rao's contribution on multiplier concept.

- Rao's examination of the interrelation between investment, income and multiplier in an under developed economy.
- Dr.Rao argued that whereas a primary increase in investment would take place, a subsequent, secondary and territory affects through the expansion of output in the consumption goods sector would not take place.
- Consequently, the multiplier process would not ne operation.

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## 33. Write a short note on Welfare Economics given by Amartya Sen.

- $\bullet$  The distribution of income among the persons below the poverty line is to be taken into account.
- The concept of capabilities developed by sen has been cited as abetter index of wellbeing than commodities or utilities.
- The concept of entitlement items like nutrition, food, medical and health care, employment, security of food supply in times of famine etc.

## 34. Explain Social infrastructure.

- To those structures which are improving the quality of manpower and contribute indirectly towards the growth of an economy.
- These structures are outside the system of production and distribution.
- For example, schools, colleges, hospitals and other civic amenities.

## IV. ANSWER THE FOLLOWING QUESTIONS IN ABOUT A PAGE

## 35. Explain the strong features of Indian economy

- i). India has a mixed economy
  - ★ Indian economy is a typical example of mixed economy.
  - ★ This means both private and public sectors co-exist and function smoothly.

## ii). Agriculture plays the key role

- Around 60% of the people in India depend upon agriculture for their livelihood.
- In fact, about 17% of our GDP today is contributed by the agricultural sector.

## iii). An emerging market

- India has a high potential for prospective growth.
- This also makes it an emerging market for the world.

## iv). Fast Growing Economy

- India's economy is well known for high and sustained growth.
- It has emerged as the world's fastest growing economy in the year 2016-17 with the growth rate of 7.1% in GDP next to People's Republic of China.

## v). Demographic dividend

- The human capital of India is young.
- This means that India is a pride owner of the maximum percentage of youth.

## 36. Write the importance of mineral resources in India

## i). Iron-Ore:

- $\checkmark$  India possesses high quality iron-ore in abundance.
- ✓ Hematite iron is mainly found in Chhattisgarh, Jharkhand, Odisha, Goa and Karnataka.

## ii). Coal and Lignite

- Coal is the largest available mineral resource.
- India ranks third in the world after China and USA in coal production.

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• India is the West Bengal, Bihar, Madhya Pradesh, Maharashtra, Odisha and Andhra Pradesh.

#### iii). Bauxite

Major reserves are concentrated in the East Coast bauxite deposits of Odisha and Andhra Pradesh.

#### iv). Crude Oil

• Oil is being explored in India at many places of Assam and Gujarat.

#### v). Gold

- India possesses only a limited gold reserve.
- There are only three main gold mine regions—Kolar Goldfield, Hutti Goldfield and Ramgiri Goldfield.

#### 37. Bring out Jawaharlal Nehru's contribution to the idea of economic development.

- Jawaharlal Nehru, one of the chief builders of Modern India,
- He was the first Prime Minister of Independent India
- He was a great patriot, thinker and statesman.
- His views on economics and social problems are found in the innumerable speeches he made and in the books he wrote.
- Jawaharlal Nehru was a firm believer in democracy.
- Secularism is another signal contribution of Nehru to India.
- Jawaharlal Nehru was responsible for the introduction of planning in our country.

#### 38. Write a brief note on the Gandhian economic ideas.

S.no	Gandhian Thoughts	Gandhian Economic Ideas
1	Village Republics	India lives in villages. He was interested in developing the villages as self sufficient units.
2	On Machinery	Gandhi described machinery as great sin
3	Industrialization	Gandhi considered industrialism as accurse on mankind.
4	Decentralization	He advocated a decentralized economy
5	Village sarvodaya	He suggested the development of self sufficient self dependant villages.

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CHAPTER 8	INDIAN ECONOMY BR	FORE AND AFTER IN	NDEPENDANCE	
I MULTIPLE CH	OICE QUESTIONS			
	co da Gama in Calicut, India			
a. 1498	b. 1948	c. 1689	d. 1849	
	as Roe was successful in gettin		u. 1047	
a. Akbar	b. Shajakan	c. Jahangir	d. Noorjakhan	
	vernance of India was trans	e		
British crown in				
a. 1758	b. 1858	c. 1958	d. 1658	
4. Ryotwari system v	vas initially introduced in			
a. Kerala	b. Bengal	c. Tamil Nadu	d. Maharastra	
5. First World War	started in the year			
a. 1914	b. 1814	c. 1941	d. 1841	
6. When did the Gov	ernment of India declared its	first Industrial Policy ?		
a. 1956	b. 1991	c. 1948	d. 2000	
7. The objective of the	ne Industrial Policy 1956 was			
a. Develop heavy industries b. Develop agricult		tural sector only		
c. Develop private	e sector only	d. Develop cottage industries only		
8. The industry which was de-reserved in 1993 ?				
a. Railways		b. Mining of copper and zinc		
c. Atomic energy		d. Atomic minerals		
9. The father of Gree	en Revolution in India was			
a. M.S. Swamina	than b. Gandhi	c. Visweswaraiah	d. N.R. Viswanathan	
10. How many comm	nercial banks were nationalize	ed in 1969 ?		
a. 10	b. 12	c. 14	d. 16	
U U	ve of nationalization of banks	s was		
a. Private social w	velfare <b>b. Social welfare</b>	c. To earn	d. Industries monopoly	
<b>12. The Planning Co</b>	mmission was setup in the year	ar		
a. 1950	b. 1955	c. 1960	d. 1952	
-	ear plan, The top priority was	2		
a. Service	b. Industrial	c. Agriculture	d. Bank	
• -	plan period was			
a. 1992-1997	b. 2002-2007	c. 2007-2012	d. 1997-2002	
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15. According to HDR (201	6), India ranked o	out of 188 countries.	
a. 130	b. 131	c. 135	d. 145
16. Annual Plans formed in	n the year		
a. 1989-1991	b. 1990-1992	c. 2000-2001	d. 1981-1983
17. The Oldest large scale	industry in India		
a. cotton	b. jute	c. steel	d. cement
18. Human development in	ıdex (HDI) was develop	ed by	
a. Jawaharlal Nehru	b. M.K. Gandhi	c. Amartiya Sen	d. Tagore
<b>19.</b> The main theme of the	Twelth Five Year Plan		
a. faster and more inclus	-	b. growth with soci	
c. socialistic pattern of s	-	d. faster, more inclus	ive and sustainable growth
20. The PQLI was develop			
a. Planning Commission	1	b. Nehru	
c. Morris		d Morrisd.B	5
II. ANSWER THE FOL	-		ENTENCES.
21. What are the Phas		bitation of India?	
<ul><li>Period of me</li></ul>	rchant capital		
<ul><li>Period of Ind</li></ul>	lustries capital		
<ul><li>Period of final</li></ul>	ance capital		
22. Name out the diffe	erent types of land	tenure existed in In	dia before
Independence.			
Zamindar sy	vstem		
Mahalwari s	ystem		
Ryotwari sy	stem		
23. State the features	that distinguish a	land tenure system	from other system.
♣ Who owns	the land		
<ul><li>Who cultivation</li></ul>	ate the land		
<ul> <li>Who is resp</li> </ul>	oonsible for the land		
24. List out the weak	nesses on Green Re	evolution.	
<ul><li>Indian agric</li></ul>	culture was still a gamble	e of the monsoon.	
<ul><li>Wide spread</li></ul>	d unemployment among	agricultural laborers	
The income	gap between large		
25. What are the object	ctives of Tenth five	e year plan?	
★ It aimed to r	reduce the poverty to 15%	% by 2012	

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★ Its growth target was 8.0% but it is achieved only 7.2%

## 26. What is the difference between HDI and PQLI?

S.No	Basic	PQLI	HDI
1	Meaning	It refers to overall well	It refers to composite measures of economic
		being of people	to find out the quality of human life.
2	Made by	Morris D. Morris in 1979	Mahabub – Ul –Haq in 1990 for UNDP

## 27. Mention the indicators which are used to calculate HDI.

- Life expectancy at birth
- Adult literacy rate
- Gross Enrolment ratio
- GDP percapita

## III. ANSWER THE FOLLOWING QUESTIONS IN ONE PARAGRAPH.

## 28. Explain about the Period of Merchant Capital.

- The period of merchant capital was from 1757 to 1813
- The only aim of the East India Company was to earn profit.
- India had been considered as the best hunting ground for capital by ELC

## 29. The Handicrafts declined in India in British Period. Why?

- Through discriminatory tariff policy the British government purposefully destroyed the handicrafts.
- With the disappearance of nawabs and kings, there was no one to protect Indian handicrafts.
- Indian handicraft products could not compete with machine made products.

## 30. Elucidate the different types of land tenure system in colonial India.

## i). Zamindar system:

Zamindar was declared as the owners of the land and they were responsible to pay the land revenue

to the government.

## ii). Mahalwari system:

The ownership of the land was maintained by the collective body usually the villagers which served

as a unit of management.

## iii). Ryotwari system:

Under this system the ownership rights of use and control of land were held by the tiller himself.

## 31. State the reasons for nationalization of commercial banks.

- The main objective of nationalization was to attain social welfare.
- Nationalization of banks helped to curb private monopolies.
- Needed to encourage the banking habit among the rural populations.

## 32. Write any three objectives of Industrial Policy 1991.

Reduce disparities in income and wealth

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- ✤ Higher employment generation
- ✤ Focus on development of small scale sector
- Rural industrialization

## 33. Give a note on Twelfth Five Year Plan.

- Its main theme is Faster, More inclusive and sustainable growth.
- Its growth rate target is 8%.
- Better performance in agricultural
- Stronger efforts at health, education and infrastructure.

## 34. What is PQLI?

- Morris D Morris developed the Physical quality of Life Index.
- It is a measure to calculate the quality of life.
- A scale of each indicator ranges from the number 1 to 100.

## IV. ANSWER THE FOLLOWING QUESTIONS IN ABOUT A PAGE

## 35. Discuss about the Indian economy during British Period.

Periods under	Period	State of Indian Economy	
British rule			
		• Aim of the East India Company was to earn profit.	
Period of	1757-1813	• The best hunting ground for capital.	
Merchant Capital		• The officers of the company were unscrupulous and corrupt.	
		◆ India had become a market for British textiles.	
Period of	1513-1858	◆ Indians were exploited.	
Industrial Capital		◆ India's traditional handicrafts were thrown out of gear.	
		<ul> <li>Finance imperialism began to entrench itself.</li> </ul>	
Period of	1858-1947	• Britain decided to make massive investments in various fields.	
Financial Capital		Railway construction policy of the British led to unimaginable	
		as well as uneconomic	

## 36. Explain the role of SSIs in economic development?

- i). Provide employment:
  - SSIs use labour intensive techniques.
  - Hence they provide employment opportunities to a large number of people.

## ii). Bring Balanced Regional Development:

 SSIs promote decentralized development of industries as most of the SSIs are set up in backward and rural areas.

## iii). Help in Mobilization of Local Resources:

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SSIs help to mobilize and utilize local resources like small savings, entrepreneurial talent etc.

#### iv). Pave for Optimization of Capital

- SSIs require less capital per unit of output.
- They provide quick return on investment

#### v). Develop Entrepreneurship:

SSIs help to develop a class of entrepreneurs in the society.

#### 37. Explain the objectives of nationalization of commercial banks.

- The main objective of nationalization was to attain social welfare.
- To encourage the banking habit among the rural population.
- To reduce the regional imbalances where the banking facilities were not available.
- After nationalization, new branches were opened in both rural and urban.
- Credit facilities mainly to the agriculture sector and its allied activities.

#### 38. Describe the performance of 12th five year plan in Indi

- Its main theme is "faster, more inclusive and sustainable growth".
- Its growth rate target is 8%.

#### **Major Objectives:**

- $\star$  For growth to be more inclusive we need.
- ★ Better performance in agriculture.
- \* Faster creation of jobs, especially in manufacturing.
- \* Stronger efforts at health education and infrastructure

#### **Major Achievements:**

- Implementation of pandit Madan Mohan malaviya national Mission on teachers & teaching.
- Uchchatar Aavishkar Abhiyan programme to promote industry specific need based research.
- Free and compulsory education to all children in the age group of 6 to 14 years.
- Construction of school toilets under swachh vidyalaya initiative.
- Implementation of udaan programme to ensure quality education for girl child.

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I. MULTIPLE CHOICE	QUESTIONS			
1. Which of the following	-			
a. Disinvestment	b. Denationalization c. Fra		c. Franchising	d. All the above
2. Countries today are to	be for their gro	owth.		
a. Dependent	b. Interdepo	endent	c. Free trade	d. Capitalist
3. The Arguments against	LPG is			
a. Economic growth			b. More investme	ent
c. Disparities amon	g people and regions		d. Modernization	L
4. Expansion of FDI				
a. Foreign Private In	vestment	4	b. Foreign Portfo	lio
c. Foreign Direct In	ivestment		d. Forex Private	Investment
5. India is the largest proc	lucer of	in the world.		
a. fruits	b. gold	c. petrol	d. diesel	
6. Foreign investment incl	udes			
a. FDI only	b. FPI and FFI	c. FDI and F	PI d. FDI an	d FFI
7. The Special Economic Z				
a. April 2000	b. July 1990	c. April 1980	d. July 19	70
8. Agricultural Produce M	larket Committee is	a		
a. Advisory body	b. Statutory body	c. Both a and	b d. non of	these above
9. Goods and Services Tax	x is			
a. a multi point tax			ing cascading effe	
c. like Value Added			01	h no cascading effect
<b>10. The New Foreign Trad</b> a. 2000	b. 2002	c. 2010	d. 2015	
a. 2000 11. Financial Sector reform				
a. Insurance Sector	b. Banking Sector			ort Sector
12. The Goods and Service			1	~
a. 1st July 2017	b. 1st July 2016			uary 2016
13. The new economic pol	2	2		2
a. foreign investment	b. foreign technolog	8	d. all the	above
14. The recommendation	of Narashimham Cor	nmittee Report	was submitted in	the year
		c. 1995	d. 2000	

a. co-operative banks	b. RRBs	c. Public secstor banks	d. all the above			
1						
16. The Raja Chelliah Committee on Trade Policy Reforms suggested the peak rate on import duties						
at						
a. 25%	b. 50%	c. 60%	d. 100%			
17. The first ever SEZ in I	ndia was set up at					
a. Mumbai	b. Chennai	<b>c. Kandla</b> d. C	ochin			
18. 'The Hindu Rate of G	rowth' coined by F	Raj Krishna refers to				
a. low rate of econo	mic growth	b. high proportion of	of Hindu population			
c. Stable GDP		d. none				
<b>19. The highest rate of tax</b>	under GST is	(as on July1, 2017)				
a. 18%	b. 24%	c. 28%	d. 32%			
20. The transfer of owners	ship from public so	ector to private sector is know	n as			
a. Globalization	b. Liberalization	c. Privatization	d. Nationalization			
II. ANSWER THE FOL	LOWING QUES	TIONS IN ONE OR TWO S	ENTENCES.			
21. Why was structur	al reform imple	emented in Indian Econo	my?			
Indian economy resp	Indian economy responded to the crises by introducing a set of policies known as structural reforms.					
22. State the reasons	for implement	ing LPG.				
Basic reasons	s behind liberalizati	ion, privatization could be summ	narized as nations believe that			
globalization and nat	tion – states are not	in contradiction.				
23. State the meaning	g of Privatizati	on.				
It means transfer of o	ownership and man	agement of enterprises from pub	lic sector to private sector.			
24. Define disinvestm	nent					
It selling of governm	nent securities of pu	blic sector undertakings to other	PSUs.			
25. Write three policy	y initiative intr	oduced in 1991 – 92 to c	correct the fiscal			
imbalance.						
Reduction in fe	rtilizer subsidy					
Abolition of su	Abolition of subsidy on sugar					
Disinvestment	of a part of the gove	ernment holdings				
26. State the meaning	g of Special Ec	onomic Zones.				
✤ It is an area in v	which business and	trade laws are different from the	e rest of the country.			
Their aims incl	ude increased trade	, increased investment, job creat	ion.			
27. State the various	components of	f Central government sch	nemes under post –			
harvest measures	•					
<ul> <li>Mega Food F</li> </ul>	Parks					
<ul> <li>Scheme for (</li> </ul>	Quality Assurance					
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#### **III. ANSWER THE FOLLOWING QUESTIONS IN ONE PARAGRAPH.**

#### 28. How do you justify the merits of Privatization?

- Helps in reducing the burden on government.
- Makes the public sector units competitive.
- Greater autonomy for public sector units.
- ♦ Industrial growth

#### 29. What are the measures taken towards Globalization?

- Import liberalization through reduction of tariff and non-tariff barriers.
- Opening the doors to FDI and FPI are some of the measures towards globalization.
- The economic activity of multinational firms and internationalization of technology

#### 30. Write a note on Foreign investment policy?

Red carpet welcome to foreign investment and foreign technology enhanced the industrial competition and improved business, including FDI and FPI were allowed automatic permission was granted for a specified list of high technology and high-investment priority industries.

#### **31. Give short note on Cold storage.**

- India is the largest producer of fruits and second largest producer of vegetables in the world.
- Most of the problems relating to the marketing of fruits and vegetables can be traced to their perishability.
- In order to overcome this constraint, the government of India and the ministry of agriculture promulgated an order known as cold storage order 1964.

#### 32. Mention the functions of APMC.

- \* To promote public private partnership in the ambit of agricultural markets.
- ★ To provide market led extension services to farmer.
- ★ To bring transparency in pricing system
- ★ To promote agricultural activities

#### 33. List out the features of new trade policy.

#### Free imported and exports:

Prior to 1991, in India imports were regulated from 1992, imports were regulated by a limited negative list.

#### Rationalization of tariff structure and removal of quantitative restrictions:

- Free imports and exports
- Reducing tariffs
- Liberalization of the exchange rate regime.

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#### 34. What is GST? Write its advantages.

- It is defined as the tax levied when a consumer buys a goods and service.
- The act came into effect on 1<sup>st</sup> July 2017.
- The Motto is *"one nation, one market, one tax"*.

## Advantages:

- Removing cascading tax effect
- Single point tax
- Higher threshold for registration
- Composition scheme for small business

## **IV. ANSWER THE FOLLOWING QUESTIONS IN ABOUT A PAGE**

## 35. Discuss the important initiatives taken by the Government of India towards Industrial Policy.

## Meaning:

Any government action aimed at affecting industry may be considered to be part of industrial policy which makes it a limits field.

## Important initiative:

## i). Industrial Policy Resolution:

- It ushered India as the system of mixed economy.
- Industries are classified into Public sector, Public-cum-Private sector, Controlled private Sector, private and co-operative sector.
- This policy endeavored to protect cottage and small scale industries.

## ii). Industrial Policy Resolution 1956:

- It assured a fair treatment to the private sector.
- Support and encourage cottage and small scale enterprises.
- Indignation of foreign concerns.

## iii). The New industrial Policy of 1991:

- Industrial licensing will be abolished for all projects except for a short list of industries.
- The policy provides for automatic clearance for import of capital goods.

## 36. Explain the objectives and characteristics of SEZs.

## Meaning:

It is an area in which business and trade laws are different from the rest of the country.

## **Objectives:**

- ●<sup>™</sup> To enhance foreign investment
- ●<sup>™</sup> To increase shares in global export
- To generate additional economic activity.

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- ●<sup>™</sup> To create employment opportunities.
- To develop infrastructure facilities.

## Characteristics:

- Geographically demarked area with physical security.
- Administrated by single body
- Streamlined procedures
- Having separate custom area
- Governed by more liberal economic laws.

## 37. Describe the salient features of EXIM policy (2015 - 2020)

- Reduce export obligations by 25% and give boost to domestic manufacturing supporting the "Make in India" concept.
- As a step to Digital India concept, online procedure to upload digitally signed document by CA/CS/Cost Accountant are developed and further mobile app for filing tax, stamp duty has been developed.
- Repeated submission of physical copies of documents available on Exporter Importer Profile is not required.
- Export obligation period for export items related to defense, military store, aerospace and nuclear energy to be 24 months.
- EXIM Policy 2015-2020 is expected to double the share of India in World Trade from present level of 3% by the year 2020. This appears to be too ambitions.

@\*@\*@\*@\*@\*@\*@

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CHAPTER 10		RURA	L ECO	NOMY	
I. MULTIPLE CHOIC	CE QUESTIONS				
. Which is considered a	is the basic unit for	rural areas	?		
a. Panchayat	b. Village	c. To	wn	d. Mı	unicipality
. Which feature is iden	tified with rural ar	eas?			
a. Low population d	ensity	b. Hig	gh populati	on density	
c. Low natural resour	rces	d. Lo	w human re	esources	
<b>3. Identify the feature o</b>	f rural economy.				
a. Dependence on ag	riculture	b. Hig	gh populati	on density	
c. Low level of popul	ation	d. Lo	w level of i	nequality	
4. What percentage of t	he total population		l area, as p	per 2011 ce	nses?
a. 40	b. 50	c. 60		d. 70	~
5. How do you term peo					
a. Unemployment	ł	. Underem	ployment o	or Disguise	d Unemployment
c. Full employment	Ċ	l. Self-emplo	oyment		
6. What is the term used	l to denote the coex	istence of ty	wo differei	it features	in an economy?
a. Technology	b. Dependency		c. Dualis		d. Inequality
7. The process of impro	-			-	
a. Rural economy	b. Rural econon			employmen	t d. Rural development
8. Identify the agricultu	_		-		
a. Poor communication			-		d. Poor banking network
). The recommended nu		-			
a. 2100 calories	b. 2100 calories		c. 2300 c	alories	d. 2400 calories
10. Indicate the cause fo					
a. Lack of non-farm	employment		U	employment	t
c. Low inflation rate		_	-	nvestment.	
11. What is the other na					
	5	. Seasonal		. Rural	
12. How do you term th			-		1?
1	e	. Seasonal	d	. Rural	
<b>13. Identify an example</b>					
a. Sugar factory	b. Mat 1	naking indu	istry c.	. Cement in	dustry d. Paper industry

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a. Half	b. One fourth	c. Two third	d. Three fourth
15. Identify the cause for	r rural indebtedness in In	dia.	
a. Poverty	b. High population	c. High productivity	d. Full employment
16. In which year, Regio	nal Rural Banks came int	to existence?	
a. 1965	b. 1970	c. 1975	d. 1980
17. Identify the year of <b>l</b>	aunch of MUDRA Bank?		
a. 1995	b. 2000	c. 2010	d. 2015
18. Identify the year in <b>v</b>	vhich National Rural Hea	lth Mission was launched.	
a. 2000	b. 2005	c. 2010	d. 2015
19. Identify the advantage	ges of rural roads.		
a. Rural marketing	b. Rural employment	c. Rural development	d. All the above
20. " An Indian farmer i	is born in debt, lives in de	bt, dies in debt and bequeaths	debt"-who said this?
a. Adam Smith	b. Gandhi G	c. Amartya Sen d.	Sir Malcolm Darling
II. ANSWER THE FO	LLOWING QUESTION	IS IN ONE OR TWO SENT	ENCES
21. Define Rural Eco	onomy.		
• Rural areas are g	geographical areas located of	outside towns and cities.	

• Rural economy refers to village and rural community refers to people living in village.

#### 22. What do you mean by Rural Development?

Rural development is a process of improving the rural areas, rural people and rural living.

#### 23. Rural Poverty – Define.

The situation in which an individual fails to earn sufficient income to buy the basic minimum of subsistence.

#### - Poverty in India

#### 24. Define Open Unemployment.

- Unemployed persons are identified as they remain without work.
- This type of unemployment is found among agricultural labors.

#### 25. What is meant by Disguised Unemployment?

In rural areas many are employed below their productive capacity and even if they are withdrawn from work the output will not diminish.

#### 26. Define Cottage Industry.

- It's generally associated with agriculture and provide both part-time and full time jobs in rural areas.
- Example: Pottery, Coir products

#### 27. What do you mean by Micro Finance?

It is financial service that offers loans savings and insurance to entrepreneurs and small business owners who do not have access to traditional sources of capital like banks or investors.

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#### 28. State any two causes of housing problem in rural areas.

- Rapid adaptation of nuclear families.
- Lack of proper water supply
- Lack of good sanitation
- Lack of proper disposal of sewage.

#### 29. Define Rural Electrification.

The main aims of rural electrification are to provide electricity to agricultural operations and to enhance agricultural productivity.

## 30. State any two factors hindering Rural Electrification in India.

- Lake of funds
- Interstate disputes
- Uneven terrain
- High transmission loss

#### **III. ANSWER THE FOLLOWING QUESTIONS IN ABOUT A PARAGRAPH EACH**

#### 31. State the importance of Rural Development.

- A major share of population contributes are very much supportive for the nation building activities.
- The rural economy supports the urban sectors
- Improvements in education health and sanitation in villages can help avoid many urban problems.
- Provide gainful employment in rural areas.
- Rural urban migration can be reduced.

## 32. Explain the causes for Rural Backwardness.

- The distribution of land is highly skewed in rural areas.
- Non-farm employment opportunities do not match the increasing labour force.
- Lack of public sector investment on human resource development.
- Low productivity of rural labour.

## 33. Enumerate the remedial measures to Rural Poverty.

- ●<sup>™</sup> Creation of employment.
- To help the poor to become more productive.
- Necessary changes in the economic structure.
- Control the unproductive expenditures by villagers
- ●<sup>∞</sup> Effective implementation of assets.

## 34. What are the remedial measures for Rural Unemployment?

To reduce the seasonal unemployment rural people should be encouraged to adopt subsidiary occupations.

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- Transformation and maintenance of roads, digging of drains, canals, etc.
- The increased cropping intensity creates additional demand for labour.
- To provide employment new industries should be set up in rural areas.

## 35. Write a note on Regional Rural Banks.

- Regional rural banks came into existence in 1975.
- At present there are 64 regional rural banks in India.
- To develop rural economy by providing credit.

## 36. Mention the features of SHGs.

- SHG is generally an economically homogeneous group formed through a process of self-selection based upon the affinity of its members.
- ♦ Most SHGs are women's groups with membership ranging between 10 and 20.
- SHGs have well-defined rules and by-laws, hold regular meetings and maintain records and savings and credit discipline.
- SHGs are self-managed institutions characterized by participatory and collective decision making.

## 37. List out the objectives of MUDRA Bank.

- ★ Regulate the lender and the borrower of microfinance.
- ★ Bring stability to the microfinance system.
- \* Lend money to small business, retailers, self help groups and individuals
- ★ Introduce a system of performance rating.

## IV. ANSWER FOR EACH QUESTION IN ABOUT A PAGE

## 38. 'The features of Rural Economy are peculiar'- Argue.

## <u>Meaning:</u>

Rural economy refers to villages and rural community refers to people living in villages.

## <u>Features:</u>

## i). Dependence on Agriculture:

The rural economy depends much on nature and agricultural activities.

## ii). life on Rural People:

Lifestyles in villages are very simple.

## iii). Population Density:

Population density measured by number of persons living per sq.km is very low and houses are scattered in the entire villages.

## iv). Poverty:

About 22 crores of people in rural areas are poor and live below the poverty line.

## v). Employment:

Exists unemployment seasonal unemployment and under employment in rural areas.

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## 39. Discuss the problems of Rural Economy.

- The problems related to individuals and their standard of living consists of illiteracy etc.
- Agricultural problems as one lakh excepted awareness, knowledge, skill and attitude, unavailability of inputs and so on.
- Poor infrastructure facilities like water, electricity, transport, educational institutions, communication, health and etc.
- The economic problems related to rural areas are inability to adopt high cost technology.
- Leadership among the hands of inactive and incompetent people, self interest of leaders.

## 40. Analyze the causes for Rural Indebtedness.

## <u>Meaning:</u>

Rural indebtedness refers to the situation of the rural people unable to repay the loan accumulated over a period.

#### Causes:

#### i). Poverty of Farmers:

The vicious circle of poverty forces the farmers to borrow for consumption, cultivation and celebrations.

#### ii). Failure of Monsoon:

It is a curse to the farmers and they have to suffer due to the failure of nature.

#### iii). Litigation:

Due to land disputes litigation in the court compels them to borrow heavily.

## iv). Money lenders and High rate of Interest:

The rate of interest charged by the local money lenders is very high and the compounding of interest leads to perpetuate indebtedness of the farmer.

@\*@\*@\*@\*@\*@

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CHAPTER 11	TAMILNA	DU ECONOMY	Y	
I. Multiple Choice	Questions			
1. In health index, Tami	l Nadu is ahead of			
a) Kerala	b) Punjab	c) Gujarat	d) all the a	bove
2. In sex ratio, Tamil Na	idu ranks			
a) first	b) second	c) third	d) fourth	
3. Tamil Nadu is rich in				
a) Forest resource	b) human resource	c) mineral resource	d) all the a	bove
4. The main source of ir	rigation in Tamil Nadu	i is		
a) river	b) tank	c) well	d) canals	
5. Knitted garment pro	luction is concentrated	in 🔷		
a) Coimbatore	b) Tiruppur	c) Erode	d) Karur	
6. Which of the followin	g is wrongly matched?			
a) Gateway of Tamil N	Nadu – Thoothukudi	b) Home tex	tile city - Er	ode
c) Steel city – Salem		d) Pump city	- Coimbator	re
7. Which of the followin	g cities does not have in	nternational airport?		
a) Madurai	b) Tiruchirappalli	c) Paramaku	ıdi	d) Coimbatore
8. TN tops in the produ	ction of the following c	rops except		
a) Banana	b) Coconut	c) plantation	crops	d) cardamom
9. Largest area of land i	s used in the cultivation	n of		
a) Paddy	b) sugarcane	c) Groundnut	t	d) Coconut
10. In literacy rate, TN	ranks			
a) second	b) fourth	c) sixth		d) eighth
11. In investment propo	sals filed by MSMEs, T	'N ranks		
a) I	b) II	c) III		d) IV
12. Which district in TN	has the highest sex rat	tio?		
a) Nagapattinam	b) Nilgiris	c) Tiruchirap	palli	d) Thanjavur
13. Which district has t	he lowest child sex ratio	)?		
a) Madurai	b) Theni	c) Ariyalur		d) Cuddalore
14. Which Union Territ	ory has the highest sex	ratio?		
a) Chandigarh	b) Pondicherry	c) Lakshadee	p c	l) Andaman Nicobar
15. The largest contribu	tion to GSDP in Tamil	Nadu comes from		
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a) agricu	ılture	b) industry		c) mining	d) services	
16. In huma	an developm	ent index, TN is 1	ranked			
a) Secor	nd	b) fourth		c) sixth	d) seventh	
7. SPIC is	located in					
a) Chen	nai	b) Madurai		c) Tuticorin	d) Pudukkottai	
8. The TIC	CEL park is					
a) Rubb	er Park	b) Textile par	'k	c) Food park	d) Bio park	
9. In India	's total ceme	ent production, T	amil Nadu	ranks		
a) third		b) fourth		c) first	d) second	
20. The Hea	adquarters o	f Southern Railw	ay is at			
a) Tiruc	hirappalli	b) Chennai		c) Madurai	d) Coimbatore.	
I. ANSWI	ER THE FO	DLLOWING QU	ESTIONS	IN ONE OR TWO	SENTENCES.	
21. State	any two d	istricts with f	avorable s	sex ratio. Indicat	e the ratios.	
S.No	D	istrict	Sex Ratio			
1	Nilgiris		1041			
2	Thanjavur		1031	Source: Census of	urce: Census of India 2011	
3	Nagapatin	am	1025			
4	Tirunelveli		1024			
22. Defin	e GSDP.					
▲ It ref	ers to the tota	l money value of	all the goods	and service produced	annually in the state.	
		2 <sup>nd</sup> largest econor	ny in India.			
	l Nadu is the				-:1 No.d	
▲ Tami		C	which are	favorable to Tan	nn Nadu.	
<b>▲</b> Tami		ur food crops			l seeds	
▲ Tami 23. Menti	on any foi	ar food crops	orn			
<ul> <li>▲ Tami</li> <li>23. Menti</li> <li>♦ Rice</li> <li>♦ Kami</li> </ul>	<b>ion any fo</b> u	ar food crops of Co	orn Igarcane			
<ul> <li>▲ Tami</li> <li>23. Menti</li> <li>▲ Rice</li> <li>▲ Kami</li> </ul>	<b>on any fo</b> bu <b>are major</b>	ar food crops	orn Igarcane			
<ul> <li>▲ Tami</li> <li>23. Menti</li> <li>♦ Rice</li> <li>♦ Kami</li> <li>24. What</li> </ul>	<b>on any for</b> bu <b>are major</b> nai	ar food crops of Co	orn Igarcane			
<ul> <li>▲ Tami</li> <li>23. Menti</li> <li>▲ Rice</li> <li>▲ Kami</li> <li>24. What</li> <li>♥ Chen</li> </ul>	<b>ion any for</b> bu <b>are major</b> nai re	ar food crops of Co	orn Igarcane			
<ul> <li>▲ Tami</li> <li>23. Menti</li> <li>▲ Rice</li> <li>▲ Kami</li> <li>24. What</li> <li>④ Chen</li> <li>④ Enno</li> <li>④ Tutic</li> <li>25. What</li> </ul>	on any for bu are major nai re orin <b>is heritage</b>	ar food crops Co Su ports in Tami e tourism?	orn Igarcane il Nadu?	♦ Oi	l seeds	
<ul> <li>▲ Tami</li> <li>23. Menti</li> <li>▲ Rice</li> <li>▲ Kami</li> <li>24. What</li> <li>④ Chen</li> <li>④ Enno</li> <li>④ Tutic</li> <li>25. What It is t</li> </ul>	tion any for bu are major nai re orin is heritage raveling to er	e tourism?	orn Igarcane il Nadu?	♦ Oi	l seeds	
<ul> <li>▲ Tami</li> <li>23. Menti</li> <li>▲ Rice</li> <li>▲ Kami</li> <li>24. What</li> <li>④ Chen</li> <li>④ Enno</li> <li>④ Tutic</li> <li>25. What It is t and p</li> <li>26. What</li> </ul>	tion any for bu are major nai re orin is heritage raveling to ex people of the p are the nu	<ul> <li>ar food crops of a crops</li></ul>	orn igarcane <b>il Nadu?</b> ces artifacts a	• Oi and activities that auth	l seeds	
<ul> <li>▲ Tami</li> <li>23. Menti</li> <li>▲ Rice</li> <li>▲ Kami</li> <li>24. What</li> <li>④ Chen</li> <li>④ Enno</li> <li>④ Tutic</li> <li>25. What It is t and p</li> <li>26. What</li> </ul>	tion any for bu are major nai re orin is heritage raveling to ex- people of the p are the nu akkam Nucle	<b>ar food crops</b> • Co • Su <b>ports in Tami</b> <b>e tourism?</b> xperience the place past and present.	orn igarcane <b>il Nadu?</b> ces artifacts a	• Oi and activities that auth		

Enterprise with the capital investment not exceeding 25 lakhs is called micro industry.

#### - MSMED act 2006

#### III. ANSWER THE FOLLOWING QUESTIONS IN ONE PARAGRAPH.

#### 28. Write a note on mineral resources in Tamil Nadu.

- It has a few mining projects based on titanium, Lignite, Magnesite, Graphite, Limestone, Granite and Bauxite.
- The first one is the Neyveli lignite corporation that has led development of large industrial complex around neyveli in cuddalore district.
- Magnesite mining is at Salem from which mining of bauxite ores are carried out at Yercard.

#### 29. Explain GSDP in Tamil Nadu.

- \* Tamil Nadu is a second largest economy in India with a GSDP of Rs. 207.8 billion in 2016-17.
- The GSDP of Tamil nadu is equal to the GDP of Kuwait on nominal term and GDP of UAE on PPP terms.
- \* The GSDP of Tamil Nadu is far higher compared to many countries as show below.
- ★ This is mainly due to population effect.

#### 30. Describe development of textile industry in Tamil Nadu.

- Solution Tamilnadu is the largest textile hub of India.
- Semployment to an estimated 35 million people.
- **%** The textile sector contributes to 14% of the manufacturing sector.

## 31. Compare productivity of any two food crops between Tamil Nadu and India.

- ☆ The government of Tamil Nadu lays emphasis on agricultural production and productivity.
- ☆ As a result, Tamilnadu tops in productivity in food crops as well as non-food crops among the states in India.

#### 32. Explain the prospect for development of tourism.

- Tamil Nadu has since ancient past been a hub for tourism.
- In recent years the state has emerged as one of the leading tourist destinations for both domestic and foreign tourists.
- <sup>©</sup> The state currently ranks the highest among Indian state with about 25 crore arrivals.

## 33. What are the renewable sources of power in Tamil Nadu?

- i). Hydel Energy:
  - There are about 20 hydro electric units in Tamilnadu.
  - The prominent units are Hundah, Mettur, Periyar, Parson Valley.

#### ii). Solar Energy:

Southern Tamil Nadu is considered as one of the most suitable region in the country for developing solar power projects.

iii). Wind Energy:

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- Tamilnadu has the highest installed wind energy capacity in India.
- The state has very high quality of off share wind energy.

## 34. Describe the performance of Tamil Nadu economy in health

- ✤ Tamilnadu has a three tier health infrastructure comprising hospitals, primary health centers, health units, community health centre and sub-centers.
- ✤ As of March 2015, the state had 34 districts hospitals, 229 sub divisional hospitals, 1254 primary health centers.

## IV. ANSWER THE FOLLOWING QUESTIONS IN ABOUT A PAGE

## 35. Describe the qualitative aspects of population.

- i). Density
  - The density of population which measures population per sq.km is 555 in 2011 against 480 in 2001.
  - \* Tamil Nadu ranks 12th in density among the Indian States and 382 is the national average.

## ii). Sex ratio

- Balanced sex ratio implies improvement in quality of life of female population.
- The sex ratio in Tamil Nadu is nearing balance with 995 which is far better compared to most of the States and all India level.
- \* Tamil Nadu stands third next only to Kerala state and Puduchery Union Territory in sex ratio.

## iii). Maternal Mortality Rate:

Tamil Nadu has a good record of controlling MMR, ranking third with 79 against national average of 159 again half of the national average.

## iv). Life Expectancy at birth:

- The average period that a person may expect to live is called life expectancy.
- However, life expectancy in India still falls short of most developed and developing nations.
- v). Literacy:
- ✤ The literacy rate of Tamil Nadu is higher than in many States

## 36. Explain the various sources of energy in Tamil Nadu.

- Tamil Nadu tops in power generation among the southern states.
- Tamil Nadu is in the forefront of all other Indian States in installed capacity.
- There are about 20 hydro electric units in Tamil Nadu.
- The Kalpakkam Nuclear Power plant and the Koodankulam Nuclear power plant are the major nuclear energy plants for the energy grid.
- The thermal power plants are at Ennore, Mettur, Neyveli and Thoothukdi.
- Tamil Nadu has the higher installed wind energy capacity in India.

## 37. Explain the public transport system in Tamil Nadu.

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#### a. Road

- There are 28 national highways in the State, covering a total distance of 5,036 km.
- It ranks second in India with a share of over 20% in total road projects under operation.

b. Rail

- Tamil Nadu has a well-developed rail network as part of Southern Railway, Headquartered at Chennai.
- Tamil Nadu has a total railway track length of 6,693 km and there are690 railway stations in the State.
- Main rail junctions in the State include Chennai, Coimbatore, Erode, Madurai, Salem, Tiruchirapalli and Tirunelveli.

c. Air

- Tamil Nadu has four major international airports.
- Chennai International Airport is currently the third largest airport in India after Mumbai and Delhi.

d. Ports

- Tamil Nadu has three major ports; one each at Chennai, Ennore, and Tuticorin, as well as one intermediate port in Nagapattinam, and 23 minor ports.
- \* Ennore Port was recently converted from an intermediate port to a major port.

@\*@\*@\*@\*@\*@

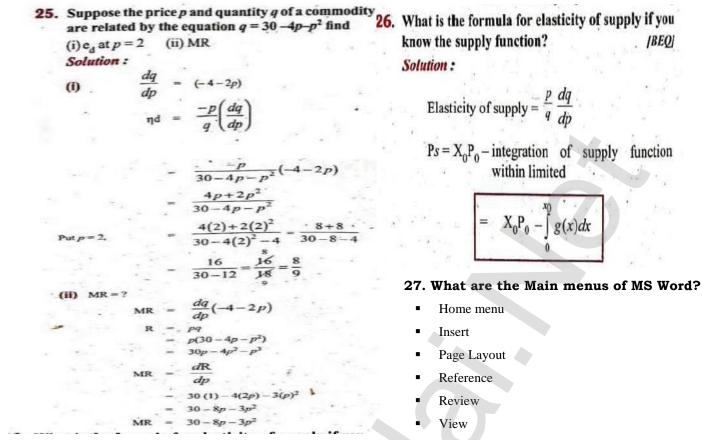
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#### **CHAPTER 12 MATHMETICAL METHODS FOR ECONOMICS I. MULTIPLE CHOICE QUESTIONS:** 1. Mathematical Economics is the integration of a. Mathematics and Economics b. Economics and Statistics c. Economics and Equations d. Graphs and Economics 2. The construction of demand line or supply line is the result of using d. Analytical Geometry a. Matrices b. Calculus c. Algebra 3. The first person used the mathematics in Economics is a. Sir William Petty **b. Giovanni Ceva** c. Adam Smith d. Irving Fisher 4. Function with single independent variable is known as a. Multivariate Function b. Bivariate Function c Univariate Function d. Polynomial Function 5. A statement of equality between two quantities is called a. Inequality b. Equality c. Equations d. Functions 6. An incremental change in dependent variable with respect to change in independent variable is known as c. Variant d Constant a. Slope b. Intercept 7. (y - y1) = m(x - x1) gives the a. Slope b. Straight line c. Constant d. Curve 8. Suppose D = 50 - 5P. When D is zero then a. P is 10 b. P is 20 c. P is 5 d. P is -10 9. Suppose D = 150 - 50P. Then, the slope is b. 50 d. -50 a. -5 c. 5 10. Suppose determinant of a matrix 0, then the solution **b.** Does not exist d. is zero a. Exists c. is infinity 11. State of rest is a point termed as b. Non-Equilibrium c. Minimum Point d. Maximum Point a. Equilibrium 12. Differentiation of constant term gives a. one b. zero c. infinity d. non-infinity 13. Differentiation of xn is b. n x (n+1) d. one a. nx(n-1) c. zero 14. Fixed Cost is the -----term in cost function represented in mathematical form. a. Middle b. Price c. Quantity d. Constant PREPARED BY P.VAHEESWARAN M.COM., M.PHIL., DCA., B.ED., Page 68

15. The first differentia	tion of Total Revenue f	unction gives	
a. Average Revenue	b. Profit	c. Marginal Reve	enue d. Zero
16. The elasticity of der	mand is the ratio of		
a. Marginal demand	function and Revenue fu	nction	
b. Marginal deman	d function to Average d	emand function	
c. Fixed and variable	e revenues		
d. Marginal Demand	l function and Total dema	and function	
17. If x+y = 5 and x-y=	<b>3</b> then, Value of <b>x</b>		
a. 4	b. 3	c. 16	d. 8
18. Integration is the re	everse process of		
a. Difference	b. Mixing	c. Amalgamation	d. Differentiation
19. Data processing is o	lone by		
a. PC alone	b. Calculator alone	c. Both PC and Calcula	tor d. Pen drive
20. The command Ctrl	+ M is applied for		
a. Saving	b. Copying	c. getting new slide	d. deleting a slide
II. ANSWER THE F	OLLOWING QUESTI	ONS IN ONE OR TWO	SENTENCES:
II. Very Short Answer	r Questions:		
<b>21.</b> If $62 = 34$ - <i>Solution</i> : 62 62 - 34 28 <i>x</i> $\therefore x$	= 34 + 4x	23. Find the average of TC = 60 + 10x + 15 Solution : TC = 60 + 10x + 15 $Formula = \frac{TC}{x}$ Average cost function	$x^{2}. \qquad IBE$ $x^{2} = \frac{60}{x} + \frac{10 \cancel{x}}{\cancel{x}} + \frac{15 x^{\cancel{x}}}{\cancel{x}}$ $= \boxed{\frac{60}{x} + 10 + 15x}$
function for MR. Solution : Demand function $d$ $\frac{dq}{dp} = -3$ $\eta d = \frac{-p}{q}$ $= \frac{150}{150}$	d function $q = 150 - 3p$ , derived q = 150 - 3p, MR = ? $\frac{dq}{dp} = \frac{-p}{150 - 3p}(-3)$ $\frac{3p}{3p}(-3p)$ $\left[-\frac{1}{\eta d}\right] = p\left[1 - \frac{1}{\frac{3p}{150 - 3p}}\right]$ $= p\left[1 - \frac{(150 - 3p)}{3p}\right]$ $= p\left[\frac{3p - 150 + 3p}{3p}\right]$ $= p\left[\frac{6p - 150}{3p}\right]$ $= \frac{b}{3}[p - 25]$ = 2[p - 25] MR = 2p - 50	where p and x are respectively. Find to p = 2.5 Solution : $\eta d = \frac{p}{x} \frac{dx}{dp}$ $\frac{dx}{dp} = -\frac{1}{2}$ $\eta d = -\frac{1}{2}$ When $p = 2.5$ $\eta d = -\frac{1}{2}$ $= -\frac{1}{2}$	$\frac{-p}{20-2p-p^2} (-2-2p)$ $\frac{2p(r+p)}{20-2p-p^2}$ $\frac{2(2.5)(1+2.5)}{20-2(2.5)-(2.5)^2}$ $\frac{5(3.5)}{20-5-6.25}$ $\frac{17.5}{5-6.25}$

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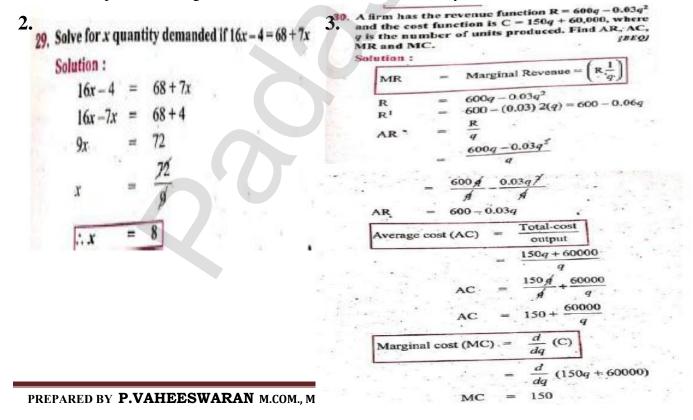
|BEQ|



#### **III. ANSWER THE FOLLOWING QUESTIONS IN ONE PARAGRAPH:**

#### 1. Illustrate the uses of Mathematical Methods in Economics.

- It helps to present the economic problems in a more precise form.
- It helps to explain economic concepts.
- It helps to use a large number of variables in economic analyses.



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4.

31. Solve the following linear equations by using Cramer's rule.

 $x_1 - x_2 + x_3 = 2;$  $x_1 + x_2 - x_3 = 0;$ X, -X, -X, Solution : (1 + 4 - 3) $x_1 - x_2 + x_3 = 2;$  $x_1 + x_2 - x_2 = 0;$  $-x_1 - x_2 - x_3 = -6$ 2 Δ -1 - 1) + 1(-1 - 1) + 1(-1 + 1)-2 - 2 + 0-4 .:.Δ

5.

**32.** If a firm faces the total cost function  $TC = 5 + x^2$ where x is output, what is TC when x is 10? Solution :

TC = 
$$5 + (10)^2$$
  
=  $5 + 100$   
 $\therefore$  TC = 105

6. 33. If TC =  $2.5q^3 - 13q^2 + 50q + 12$  derive the M function and AC function.

$$\frac{dc}{dq} = M.C,$$

$$A.C = \frac{Total \cos}{output}$$

$$\frac{dc}{dq} = 2.5 (3) q^2 - (13 \times 2) q + 50$$

$$M.C = 7.5q^2 - 26q + 50$$

$$A.C = \frac{2.5 q^3 - 13q^2 + 50q + 12}{q}$$

$$A.C = \frac{2.5 q^{3^2}}{q} - \frac{13q^2}{q} + \frac{50}{q} + \frac{12}{q}$$

$$\therefore A.C = 2.5q^2 - 13q + 50 + \frac{12}{q}$$

#### 7. What are the steps involved in executing a MS Excel Sheet?

- Plan the keystrokes needed to complete the tasks.
- Click tools
- Assign a name for the macro
- Assign a shortcut key for the macro
- Click OK
- Perform the steps needed to create your report
- Click on the stop button on the macro toolbar to stop recording and save the macro.

#### **IV. ANSWER THE FOLLOWING QUESTIONS IN ABOUT A PAGE:**

1. A Research scholar researching the market for fresh cow milk assumes that Qt= f(Pt, Y,A,N, Pc) where Qt is the quantity of milk demanded, Pt is the price of fresh cow milk, Y is average household income, A is advertising expenditure on processed pocket milk, N is population and Pc is the price of processed pocket milk.

- (a) What does Qt= f (Pt, Y,A,N, Pc) mean in words?
- (b) Identify the independent variables.
- (c) Make up a specific form for this function.

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## (Use your knowledge of Economics to deduce whether the coefficients of the different independent variables should be positive or negative.)

- **a**). i). Qt is the functions of Pt, Y, A, N, Pc
  - ii). Other determinants of demands are,
    - Pt Price of fresh cow milk. Y- Average household income
    - A- Advertising expenditure on processed pocket milk.
    - N Population
    - Pc Price of processed pocket milk.
- b). i). Y and N are independent variables
  - ii). Pc depending on Pt, A and N
  - iii). A is depending on N
- c). When price of fresh cow milk increases quantity of milk demanded decreases.

When average household income increases and quantity of milk demanded is also increases.

schedule	the elasticity of demand for the by using differential calculus	meth 4	abov a and	5	0 respectively. oducer's Surpl	
P = 60 - 0	.2Q where price is	0.011	ilibrium poin			BEO
(i) zero	(ii) Rs. 20 (iii) Rs. 40.	Sal	ution :	and the second second		
Solution :	100 B 3018. L	[Y-20]		200 2		
autilityre .	1		$P_d = 16$	$x^{-1} = 000$		
Electicity	of demand		$P_{x} = 2x$	$r^{2} + 400$		
clasticity			$ \begin{array}{rcl} \mathbf{P}_{s} &=& 2s\\ \mathbf{P}_{d} &=& \mathbf{P}_{s} \end{array} $	÷		
	$e_d = \frac{q}{p} \frac{dp}{dq}$		$1600 - x^2 = 3$			
	ed p dq					
	60 0.20	W	$1600 - x^2 - 3$	$2x^2 - 400 =$	0	
	p = 60 - 0.2q	1.57	-3x	$^{2} + 1200 =$	0	
	$\frac{dp}{dq} = 0 - 0.2(1)$			$+3x^2 =$	+1200	÷
	dq			*	1200 400	
				x <sup>2</sup> =		
	$\frac{dp}{dq} = -0.2$		-		\$1	12
	dq			r =	$\pm\sqrt{400}$	
				A -	1400	*1
(i)	q = 0 .			r. =	20	
-	p = 60 - 0.2(0) = 60 - 0					
	· · · · · · · · · · · · · · · · · · ·	- 9	60	$\times \frac{10}{10} = \frac{600}{2}$	- 300	
	$e_d = \frac{0}{60} \times (-0.2)$					
	- 00	, <b>q</b>	- 300		-1	
1. c	$e_d = 0$	ηd	=	$\frac{dq}{dp} = \frac{-0}{300}$	0×0.2	
			0			
(ii) ·	q = 20	1.	- 0/60	= 0		
	p = 60 - 0.2(20)	nd	= 0			
	p = 60 - 4	When P	= 20			
		0.29	= 60 -	- 20		
	p = 56 ·	0.2q	= 40	10 400		
	$e_d = \frac{20}{56} \times (-0.2) = \frac{-4}{56}$		= 40	$\times \frac{10}{10} = \frac{400}{2}$		
	$e_d = \frac{1}{56} \times (-0.2) - \frac{1}{56}$	• 9	= 200			
				$\frac{dq}{dp} = \frac{-2}{20}$	0 1	
	$e_d = 0.071$	ŋd			0 0.2	
			= 20	$-\frac{1}{2}=0.5$		
(iii)	q = 40	ηd	= 0.5	-		
N. 1121	p = 60 - 0.2(40)	When P	- 40			
100	p = 60 - 8	0.2q	= 60 -	40		
		0.29	- 20			
	p = 52 .	9	= 20	$\times \frac{10}{10} = \frac{200}{2}$	= 100	
	$e_d = \frac{40}{50} \times -0.2 = \frac{8}{50}$			10 2		
	$e_d = \frac{1}{52} \times -0.2 = \frac{1}{52}$	q	= 100 - p	dp -40	1 40	
		$\eta d$	$= \frac{-p}{q}$	$\frac{dp}{dq} = \frac{-40}{100}$	0.2 20	
	$e_d = 0.153$	nd	- 2			
				20	40	
		P	0 300	20	100	
DEDADED BV	P.VAHEESWARAN M.COM	MD 9	0	0.5	2	

# 4. What are the ideas of information and communication technology used in economics?

- Information and Communication Technology (ICT) is the infrastructure that enables computing faster and accurate.
- The following table gives an idea of range of technologies that fall under the category of ICT.

S. No	Information	Technologies
1	Creation	Personal Computers, Digital Camera,
		Scanner, Smart Phone
2	Processing	Calculator, PC, Smart Phone
3	Storage	CD, DVD, Pen Drive, Microchip, Cloud
4	Display	PC, TV, Projector, Smart Phone
5	Transmission	Internet, Teleconference, Video
		conferencing, Mobile Technology, Radio
6	Exchange	E mail, Cell phone

*a\*a\*a\*a\*a\*a\*a* 

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