International Islamic University Chiltagong

Dept. St Computer Science & Engineering

Course Code: - EcoN-3501

Course Title: Economics

Submitted To:

A.B.M Yasir Arabat Lecturer

CSE, TIUC

Submitted By:

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Semester: 6th

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# Ans. to the ques. no. - 10

St the Price of Macdonal 1's chees. burgers increases, we would expect the dimand for Coca-cola to decrease. The reason is-

The definition of demands i-

- a) Desire to get any commodity
- 9) Ability to get the commodity
- e) Desire to opend money box bringing commodity.

From the detinition, we realize
that it price increases, demand
decreases. So, it price of
Mandonal's burgers increases,
it's demand will be decreased.
On the other hand, many people
drink coca-cola when they

So, people don't want to spend entra money for Coca-iola without entiry macdonald's burger. As a result demand of want demand of want cola diso decreases.

From elvoticity demand rule,

ef = Percentage change in quantity

Percentage change
in price

### Ans. to the que no - 16)

When the price st product in creases in creases, supply increases but demand decreases. but demand decreases. When supply and demand is in equillibrium.

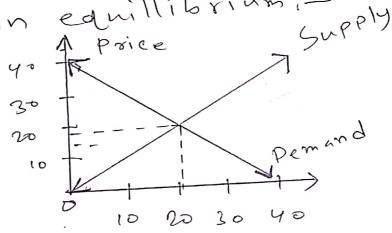


fig: Supply and demand curve. Ab, supply curve shift lebt and

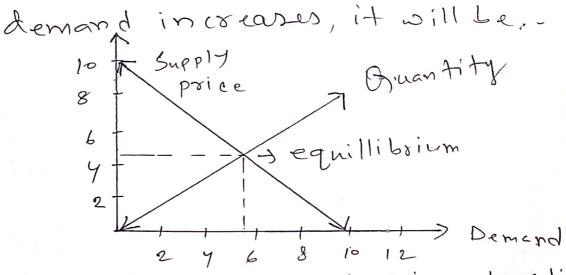


Fig. Equillibrium of Price and quantity

3 9t price increases, supply increases.

3 ft price increases, demand decreases.

## Ans. to the ques. no. - · I(c)

Let,

Supply Punction, Qs=y+zp

Demand function, Qd= W-xp

The equillibrium eurve

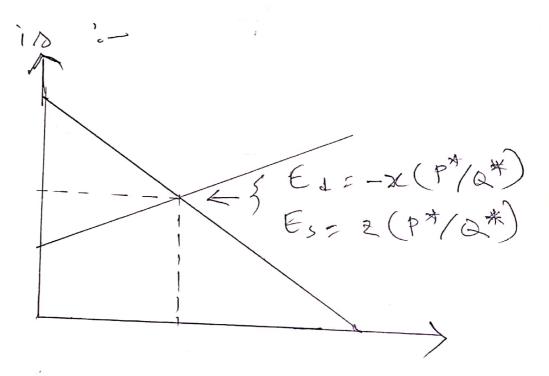


Fig: Supply and demand Curve in equillibrium

## Ans. to the ques. no. - 2(a)

" Economics enquires into the nature and causes to wealth of nations":-

( An win anisy into the Nature and causes of the wealth of Nation's was written by Adam Smith. Means, it was an attempt at understanding the reasons behind the economic growth of a nation. An interesting backdrop to consider here the bundmental arroundtion that we need to make for the whole conomic system to wook is that human beings are notivated By pure self-interest and will take decisions that thy

think will make them
"better of b" now or sometime
In the Buture.

Real-like example: Money
in an important Bactor of
opending
evenomics. People

money to buy nomething and government get tax. The tax is a gain distributed in dibbarent nectors of wontry and in various development Anjects. It people expand money such way that no tax is charged, then many dovelopment projects will be hampered. So, 5 agree with the statement

which is illustrated on question



### Ans. to the ques no. - 26)

The circular flow model

st economic activity

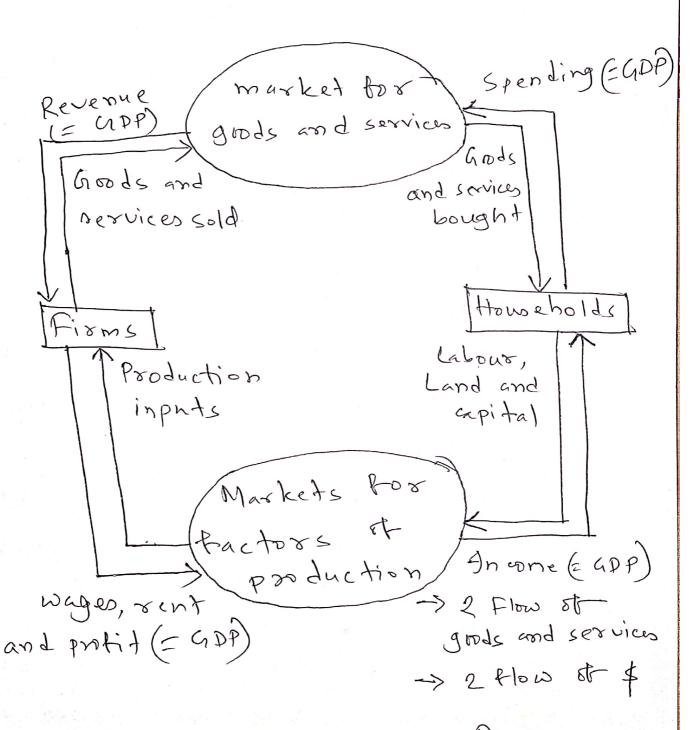


Fig: Circular Flow Diagram

## Ans. to the ques. w. - 20)

"Economics is the distribute scare resource to distresent group of society"-

Economics is the study of Low society allocators searce resources and goods. Resource are inputs About society uses to posduce ontput, called grods. Resonrce include inputs such as labour capital, and land. Goods include products such as food, clothing and houses as well as services anch as those provided by barbers doctors, Price officers, This resonrers and goods are considered à carre because of society's landeres One means by which society Allocates scarce resources and Onds is the market system

Ans. to the ques. no. - 3(a)

(i) My student id is C181029

DA = 29 - PA - 2PB

DB = 6-PA-PB

 $S_A = -3 + P_A + P_B$ 

SB=-2+PB

We know, demand and supply of a product is are same in equillibrium condition.

So, DA = SA

04, 29- PA-2PB=-3+PA+PB

or. -2PA-3PB+32=0

or, 2Pn + 3PB - 3R = 0 ... () A-gair, DB = SB

or, 6-Pm-PB=-2+PB

0% -PA- 12 29B+8=0

or, PA + 2 PB = - 8

: PA = 8-2PB - (i)



Postting the value of Por in equ(i)z)

2(8-2PB)+3PB-32=0

04, 16-4PB+3PB-32=0

08, - PB - 16 = 0

or, PB+16=0

: PB = -16

Putting the value of Po in eat (1) =)

 $P_{A} = 8 - 2 (-16)$ 

= 8.+32 = 40

: PA = 90 and PB = -16

(11)

 $Q_{DA} = 29 - PA - 2PB$  = 29 - 90 - 2(-14) = 29 - 90 + 32 = 21

QDB = 6- PA-PR = 6- 40-(-16)

= -18

: QDA = 21 and QDB = -18



Ans. to the ques. no. -3 (6)

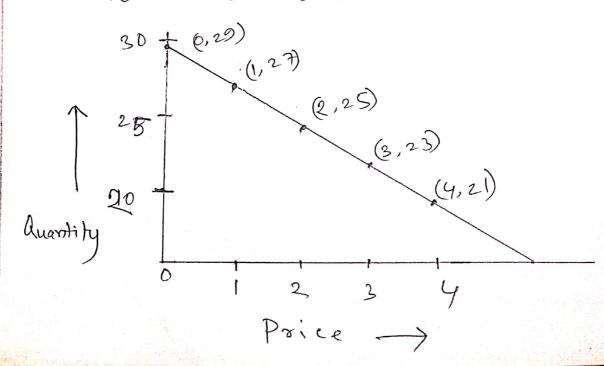
ID: C181029

Last two digits or id=29

: Qd = 29-29

		1	
_	Price 1	Demand Function	Quantity demand
-	O	20-2(0)	29
	, 1	29-2(1)	27
	2,	29-2(2)	25
	3	29-2(3)	23
1	4	29-24)	21

The demand curve is below for this data:





#### Admit Card (Mid Term)

Session : Autumn-2020

ID No. : C181029 Semester Earld: 6

Program : Bachelor of Science in Computer Science and Engineering

Name : Mahbubul Hasan

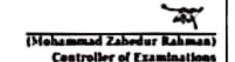
Father's Name : Hafez Kamal Uddin

Mother's Name : Afroza Begum

Section : Male Validity: Mid Term Exam

Registered Courses : CSE-3525, CSE-3632, CSE-3636, CSE-3638, ECON-3501, CSE-3631, CSE-3635, CSE-3637,

CSE-3640, URED-3604



Print Date 2021-03-06

#### Instructions

- 1. Admit card & ID card are a must to sit for the examination
- Students are not allowed to enter the Examination hall 15 (fifteen) minutes from the commencement of the examination.
- 3. No student is allowed to leave the Examination hall until the expiration of the first hour.
- 4. ID Number, Course Code, Course Title etc should be written in the given space correctly and clearly.
- 5. ID number should be written in words (Example: C071002 C-Zero-Seven-One-Zero-Zero-Two)
- 6. Mobile phone/wrist watch/unauthorized calculator are not to be carried in the Examination Hall.
- Anything found written on the disk, table or wall before commencement of the exam should be erased or bought to the notice of the invigilators by the student immediately.
- Anu form of unfair means or misbehavior or keeping unauthorized paper/material will be treated as serious
  offense and it might lead to the maximum penalty of expulsion from the university.
- Sitting arrangement must be followed strictly.

#### Controller of Examinations

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