ECONDI Saunon MIDTERM7 SET

ECON 101 CCC MIDTERM FALL 2017

instructor: K.L. Wiseman

Motted Time:	85 minutes	25 QUESTIONS AT	4 MARKS EAC	H = 100 MARKS

NAME: Last Name, First Name

UBC Student #:

EXAM PROTOCOL

- DO NOT OPEN THE EXAM, TURN IT OVER OR LOOK INSIDE UNTIL YOU ARE TOLD TO BEGIN.
- Students can have a BASIC calculator (NO STORAGE) & writing instruments only.
- Students are required to leave all personal belongings -- including pencil cases, jackets, purses, backpacks, notes and cell phones on the floor by their desk OR at the front of the room.
- Once the exam starts, students should not leave the exam room until they have completed and handed in the exam. No leaving the classroom for bathroom breaks.
- Raise your hand if you have a question during the exam.
- If you are done early, call one of the TA's or the instructor and he/she will pick your exam up.
- No leaving the exam room in the last fifteen minutes of the exam.
- When the exam time has finished, stop writing and pass your exam to the aisle. During this time, you are still under exam conditions so please remain silent and seated at your desks.

WRITING THE EXAM INFORMATION

- Please write neatly.
- Business exams are quick exams so use time management to complete all pages.
- Keep your answers brief and to the point use lists, outlines and point form where appropriate.
- Read questions carefully and answer the questions in the space provided.
- Explicitly state any assumptions you have made.

TERMS: Definitions of some common instruction words.

Give details of processes, objectives, items included, properties, or connection to a concept. Describe

Give concrete examples – including graphs, formulas or diagrams to explain. Illustrate

Explain Give detailed reasons for an idea, principle or result, situation or view. You may need to give some analysis.

Discuss Explain, give examples, points for and against, then analyze and evaluate the results.

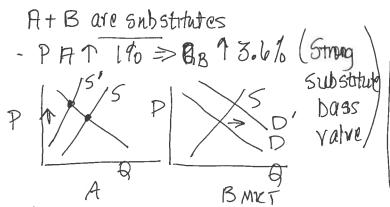
Evaluate Similar to discuss, but with more emphasis on a judgement in the conclusion.

Provide the main points plus a few details &/or examples to make the point clear and Outline

demonstrate your knowledge of the point. Not just a list!

Emphasize the differences between two terms, elements or concepts. Contrast

a. Suppose the cross elasticity of demand for products A and B is +3.6 and for products C and D is -5.4. What can you conclude about how products A and B are related? Products C and D? Explain.



C+D are complements

Pc 1 30 > 60 J 5.49

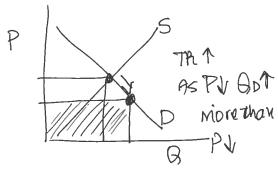
5.4 large effect implied

Lecture 6

5lide 54-57

b. Why are environmental advocates concerned about retail clothing firms' use of the concept of price elasticity of demand? Note: an environmental advocate is a person who is dedicated to protecting and promoting the environment. Explain using the concept of elasticity. Graphs and examples are always a good idea.

HET AILERS WILL TP & TTR becomes consumers TOD



ENV. A DVOCATES CONCERNOD

BECAUSE FIRMS NEED TO TTR

DIEVES PU (Sales) 4 1

CONSUMPTION

- BAD FOIR ENVIRONMENT

QUESTION 2

An efficient market means everyone is happy. True, False or Uncertain. Select your answer and explain your reason/s. A well-labelled graph would be a good idea.

HARPY
PRODUCTS

SHAPPY
CONSUMER

CONSUMER

OF THE PRODUCTS

WHERE

THE PRODUCTS

THE PRODUCTS

THE PRODUCTS

THE PRODUCTS

THE PROPERTY

THE PRODUCTS

THE P

AT MKT EBWIL MAX C5, PS, 4ES

BUT STILL, CONSUMBEIN

MICT MAY WANT GOOD BUT

CANNOT AFFORD IT

PRODUCTES FIND

MICT PROCE TOO LOW TO SWAPLY

Use the ideas of consumer surplus and producer surplus to explain why economists say competitive markets are efficient. Why are below or above equilibrium levels of output inefficient, according to these two sets of ideas? Be sure to define the term efficiency, consumer surplus and producer surplus as part of your answer. Graphs and examples are always a good idea.

(S = MB > Programmer

PS = MC < Pruce IN MUT

AT MB=MC max potential PS+CS created. Producing Less than Eduic B or > Eduic B means surplus unrealized + overtethised resources that should be used else whome.

15 LCS AT >07 C LCUMM
D ZPS P+ B than Side 34
egml.

QUESTION 4

The Canadian economy is closest to which of the following economic market systems?

A. Wixed

B. Pure Capitalism

C. Pure Command

D. None of the above

Lecture 2

Select your answer and then describe that economic market system (hint: factors of production ownership are one of the elements to include).

- MIXED - PRIVATE + SOME PUBLIC EIGNENTS FACTOR OF PRODEN

FREEN PRODUCED / EXCHANGED GOOD + SERVICES

EXCHANGE \$ FOR EXCHANGE

MOVE FREELY ACROSS SECTIONS TO > CAPITAL & LABOUR

ALLOUPTES PROFIT PILLE

(STOUT ROLE - DEFENSE, TAX, AFBULATION, CARE FOR VULNERABLE, ENVIRONMENT.

> MAINLY INVISIBLE HAND WITH SOME INTERVANTING 3 BY 600'T

Given the following equation

Qd = 124 - 4P and Qs = -16 + 3P

What is the equilibrium price and quantity exchanged in this market? Show your work.

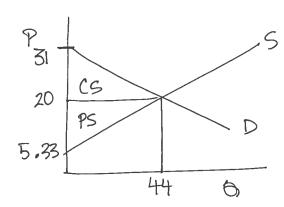
SET QD = QS 124-4P = = 16+3P

P = 20 What is the value of the consumer surplus, producer surplus and economic surplus at market equilibrium? Show your work.

Qb= 124-4P

$$P = 31 - .2560$$

.33 θ_s + 5.33 = θ_s Show the market equilibrium and surpluses using a well-labelled graph (include correct intercent



C5 = 1/2 bh $= \frac{1}{2}(44)(31-20) = 198$

- d. Outline 2 sources of market failure and explain the effects of market failure in a competitive market. Graphs and examples are always a good idea.
 - P+ (3) REGULATION
 - TAXEST SUBSIDIES
 - EXTURNALITIES
 - PURLIC GOODS
 - MONOPOLY
 - HIGH TRANSACTION

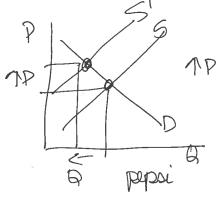
PMY 2 of these

Lectine 7

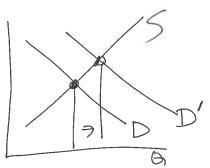
If the price of Pepsi-Cola increases, we should expect the demand for Coca-Cola to increase. True or False. Select your answer and explain your reasoning. Be sure to use main economic concepts and at least 2 graphs!

ASSUME SUBSTITUTES (7)





IN SUBSTITUT MET



COKE

b. What are the income and cross elasticities of demand? Why might they be useful to business managers?

NOCOME - INCOME & CAN INFLUENCE GOLDF GOODS - NOCHAL A

Cross-PX1 By1 Substitutes Relation of P+B

Usignel to review-INCOME A effect on their firm's good. - PA on their good if substitute / complement

Over the past three months, while the \$500 fare has been in effect, each of the two daily flights have averaged 10 passengers. During last summer, the carrier ran a sale and charged \$300 for a round-trip to Victoria; during the six weeks of the sale, the airline averaged 20 passengers per flight. What is the value of the price elasticity of demand? Explain the meaning of this value.

PA 500 → 300 AP= 200 AVGP=400 ,5=70AP

10 > 20 AB = 10 AVEB = 10 10090=AB

E= AB = 100 = 200 A 170 A P = 20090 A BOV

a. Describe the rational spending rule and provide the equation. Explain how this is used by consumers in making choices.

CONSUMER SPENDS ALL
AVAILABLE INCLOME +
EQUALIZES MU / BOVEL

All goods

L 5 Shde 23

MUM PM = MUX PX

SAME VAURE

AUDOSS ODDOS

IN ORD FIZ TO

MAX UTILITY.

(ectine 5 5/10/23 >

b. As discussed in class and on the video shown in class, Richard Thaler has just won the Nobel prize for Economic for his book Nudge. Explain how the theme of his book relates to consumer behavior.



c. Using an example from your own life, explain the concept of utility and diminishing marginal utility and how they are useful in your own consumer choices.

- UTILITY = CONSUMER HAPPINGSS

- MAX WILLY CONSUMER GOAL

- DIMMSHING MU: AS CONSUMPTION)
OF GOOD 1

- ADDMITONAL COTLUTY GAIN FROM!

Ex 1st contre

4ch V

10th V

Lecture 5 6like 12 a. Illustrate the invisible hand concept in a market. Be sure to describe how this invisible hand is important in reaching market equilibrium.

Metaphon for marketplace

Consumer + produce focus on their own self interest

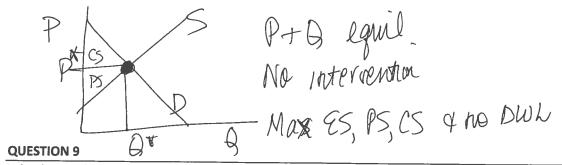
(quin) + make decisions with self interest in mind.

This results in P+B of effective allocation of goods

In the rolet - No excess / shortage + which resonances

allocated efficiently

b. What would an invisible hand in the market look like? Explain.



Why do people buy potato chips when they are on sale but not potatoes? Explain using economic concepts.

Elasticity Concept - measure of consumer (QD) response to P changes

2) PV TOD potato chips large and - clastic demand. C - very responsive

26 PJ TOOD poststado little ant - Inelastre - little response

Lectro 6 7

A friend of yours has decided to go into business selling ice cream bars and knowing you have taken Econ 101, asks for your advice.

Your friend is interested in understanding supply in the market. Outline four factors that influence (shifters!) the supply of a good such as ice cream bars. Please use examples and a well-labelled graph.

> Amy 43 chore 6 factors:
>
> - P& factor & production - P& related goods - expected future prices - # & suppliers

Q

- Stute gradue Your friend is interested in understanding demand in the market. Outline four factors that influence (shifters!) the demand of a good such as ice cream bars. Please use examples and a well-labelled graph.

ANY 4 & there 6 FARRES:

- P of related goods (substitute/complement)

- Exp. Juture P

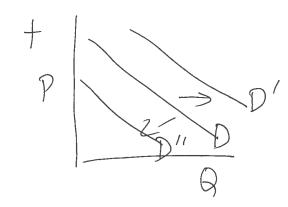
- Income

- Exp. future income/credit

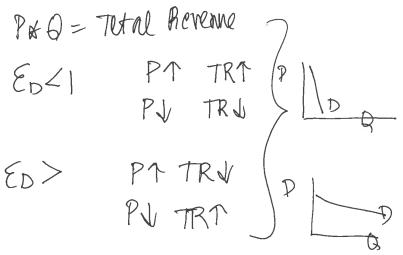
- Population

Preferences / Tastes

+ 9 X AMPLES



c. Your friend is also interested in the relationship between price changes and total revenue for firms with elastic demand curves. Explain the elasticity and total revenue relationship. Use a well-labelled graph as part of your explanation.



PAICE STRATEGY TON DEPENDS ON ELASTICITY -SALE OI NO SALE

Lecture Shalo \$

QUESTION 11

An efficient market implies an equitable market. True, False or Uncertain. Select your answer and explain your reason/s.

Efficient - MAXES (PS+CS)
- Resomes alkated efficiently

Equitable - Fairness or equal allication & Simplies

Vey different to experient does not experient equally took traving a efferent mean

> obility to T fanciers

QUESTION 12

Describe one mathematical concept that could be considered "Math for Economics".

- Graphs - S+D - 90 A - Quistraty - P = ... + A+O+D = .. (N VICINSA) - MC/AVSCOST/TC

α	JEST	ΓIΛ	NI	12
\sim	JLJ		176	43

Demand Cure - Willing news to pay for product.
MB Corme - Mongoral Fament 15 the ainst of Denefit amend from 1 extra unit consumed.
Thus, consumers will only pay a price what is $< a = + c$ then MB whey expect to get - 20 1t is some as willingous to pay. Only willingtopay a mt MB.
Willingous to pay. Only Willingto pay amt MB. QUESTION 14
Contrast the following terms:
i. Total Utility and Marginal utility The standard what companies of the from all class consumption activities My Add though utility gained from consuming an all through unit of a good. ii. Consumer goals and Producer goals.
Consuma Max UTITITY Quede at margin
Protona Max profit

The demand curve can also be referred to as the marginal benefit curve. True, False or Uncertain. Explain

your answer using economic concepts and a well-labelled graph.