

# JUNE 2023 GRADE 11 MARKING GUDEMNES

ECTROMICS (PÅPER 2)

I MADKING GITTLE INES	ECONOMICS (PAPER 2)	GRADE
	(	OIGADE

### **SECTION A (COMPULSORY)**

### **QUESTION 1**

### 1.1 MULTIPLE-CHOICE QUESTIONS

- 1.1.1 D MR=AVC ✓✓
- 1.1.2 B variable inputs ✓✓
- 1.1.3 A increase ✓ ✓
- 1.1.4 C relatively elastic ✓ ✓
- 1.1.5 A − profit maximisation ✓ ✓
- 1.1.6 C Organisation of Petroleum Export Countries OF C
- 1.1.7 B − Time periods ✓✓
- 1.1.8 D business objectives ✓ ✓

(8 x 2) (16)

### 1.2 MATCHING ITEMS

- 1.2.1 C Cost reduct that of cur then firms increase production ✓
- 1.2.2 D Additional receipts earn of for every additional unit sold ✓
- 1.2.3 E Make t streamer dome ated by two firms ✓
- 1.2.4 F actors hat det mine the allocation of scarce resources ✓
- 1.27 H To tionship between cost of production and total quantity produced v
- 26 G The difference between total revenue and total costs ✓
- 1.2.7 A Products sold in a perfect market and pure oligopoly ✓
- 1.2.8 B − Shows the firms lowest cost per unit at each level of output ✓ (8 x 1) (8)

MARKING GUIDELINES	ECONOMICS	
MARKING GOIDELINES	(PAPER 2)	GRA

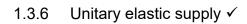
(6)

30

TO . Y SECTION A:

# 1.3 **GIVE A TERM**

- 1.3.1 Market share/target market/market size ✓
- 1.3.2 Normal profit ✓
- 1.3.3 Variable cost ✓
- 1.3.4 Increasing returns to scale ✓
- 1.3.5 Utility ✓





MARKING GUIDELINES	ECONOMICS	
WARKING GUIDELINES	(PAPER 2)	GRA

### **SECTION B**

Answer any TWO of the three questions from this section in the ANSWER BOOK.

### **QUESTION 2: MICROECONOMICS**

- 2.1 Answer the following question.
  - 2.1.1 Name any TWO factors that influence of price elasticity of supply.
    - The level of employment ✓
    - The ability to store the good ✓
    - Time ✓
    - The industrial nature of the goods √
       (Accept any other correct relevant response.)

      (2 x 1)
      (2)
  - 2.1.2 How would a firm benefit from considering the price elasticity of demand before changing prices?
    - Business will benefit from potationally havimising plofits without the risk of overcharging consumers and therefore using them. ✓√
       (Accept any other correct relevant response.)
- 2.2 DATA RESPONSE
  - 2.2.1 Identify the bust are with pw art-up costs.
    - Coffee siness ✓ (1)
  - 2.2.2 Which maket a ructure has negligible power over prices that are determined to the makets?
    - et market (1)
  - 22.3 Briefly escribe the term hybrid structure.
    - It is a combination of imperfect markets and perfect markets. ✓√
       (According to any other correct relevant response.)
  - 2.2.4 Why do monopolistic firms use different approaches to communicate information to consumers?
    - To increase their market share. ✓√

MARKING GUIDELINES	ECONOMICS (PAPER 2)	GR/
--------------------	------------------------	-----

### 2.2.5 How is efficiency possible in the monopolistic market structure?

- Faced with a lower average cost curve, the firm can beat competition on price – lower than that of the monopolist. ✓✓
- Firms in a monopolistic market choose technologies and technical processes which are cost-efficient to allow expanding the production set of the firm at the respective level of factor usage. ✓ ✓

(Accept any other correct relevant response.) (2 x 2) (4)

### 2.3 DATA RESPONSE

2.3.1 Identify the total amount of fixed costs in the grap

2.3.2 Provide the formula to calculate total cost.

- 2.3.3 Briefly describe the term total stable osts.
  - Costs that change as output changes. ✓√
     (Accept any other correct elevants sponse.)
- 2.3.4 Why is the line FC a horizont. line
  - Because fixed consists all the same no matter the quantity product...

(Accept a v other correct is evant response.) (2)

2.3.5 The pice of the proceed sold in the above graph is R100. What he profit is of producing NO products be? Show ALL calculations

 $(x \ 0) - (200 + 0) \quad \checkmark \checkmark$ 

MARKING GUIDELINES	ECONOMICS	
WARKING GOIDELINES	(PAPER 2)	GR/

### 2.4 Briefly explain elastic supply using the graph below.

- When supply is elastic, then the percentage change in quantity exceeds the percentage change in price. ✓ ✓
- A change in price causes a bigger proportional change in supply. ✓✓
- When price increases from P1 to P2, quantity demand will increase from Q1 to Q2.
- Demand curve (D1 to D2) right shift along the supply side when price increases. ✓✓
- In the long run, supply will be more elastic because capital caparied. ✓✓
- For example, elastic supply is the supply of non-necessity goods such as soft drinks where there are many substitutes and choices.

(Accept any other correct relevant response.)
(Maximum of 2 marks for mere listing and examples.)
(4 x 2) (8)

# 2.5 How does loadshedding impact extended services as price competition of oligopoly?

- Profit will decline as firms close ear to lead t
- Consumers will face network process with put having online which will decrease sales. ✓ ✓
- Increased costs in alternative ower plies which reduce working hours. ✓√
- Consumers will find alternative the s/ma with back-up power to spend their disposable incolor
- Firms may use the loads, eds. at op/schedule to intensify their services. √√

(Accept any othe correct elevant esponse.)
(Maximum of many formere listing and examples.)

(8)

MARKING GUIDELINES	ECONOMICS	
	(PAPER 2)	GR/

QUES	TION 3:	MICROECONOMICS	
3.1	Answe	r the following questions.	
	3.1.1	Name any TWO types of supply elasticity.	
		<ul> <li>Perfect elastic ✓</li> <li>Relative elastic ✓</li> <li>Unit elastic ✓</li> <li>Relative inelasticy ✓</li> <li>Perfect inelastic ✓</li> <li>(Accept any other correct relevant response.)</li> </ul>	(2)
	3.1.2	What is the ultimate purpose of setting SMART objects as of business?	
		<ul> <li>The ultimate purpose of setting SMART objects its towarify ideas, focusing time, resources, and efforts in a more productive manner. ✓√</li> <li>(Accept any other correct relevant point)</li> </ul>	(2)
3.2	DATA	RESPONSE	
	3.2.1	Which illegal activity is spicted to the cartoon above?	
		Price fixing/Contains     ion ✓	(1)
	3.2.2	Name the pe of proclamatory oligopolies in the market.	
		• Economic ofit	(1)
	3.2.3	Briefly describe the erm cartel.	
•		• When two more firms agree formally on influencing market priors to maximise their profits and market share. ✓ ✓ ccept a y other correct relevant response.)	(2)
	3.2.	Why it more beneficial for firms to collude instead of engaging mpetition?	
		<ul> <li>Profit is maximised under a colluding environment – when other firms are involved, there is less effort required in protecting market share. ✓√</li> </ul>	(0)
		(Accept any other correct relevant response.)	(2)

MARKING GUIDELINES	ECONOMICS	
MARKING GUIDELINES	(PAPER 2)	GRA

### 3.2.5 How does government protect consumers from oligopolies? By incentivising new companies, by providing tax relief, special grants etc. ✓✓ Price ceilings can be implemented to limit how high prices in an oligopoly are set. ✓✓ Imposing strict penalties for the breaching of antitrust laws can deter firms from excessive price manipulation. $\checkmark\checkmark$ (Accept any other correct relevant response.) $(2 \times 2)$ (4) **DATA RESPONSE** 3.3.1 On what level is the fuel tank in the picture above? Empty ✓ (1) Name any ONE factor that determines the abs 3.3.2 orice of a good. Income ✓ Competition in the market Demand of the product (Accept any other correct releasnt res (1) Briefly describe the tern ative vrices. 3.3.3 ific product in one period to the price The ratio of t sp ce of ne omer period. ✓ ✓ of the sa (Accept ap t rele. at response.) (2) other corre n to the revenue of the fuel supplier if the price of 3.3.4 What will fuel il crease pue will corease as fewer consumers will purchase at higher ny other correct relevant response.) (Accept (2) Why is it not possible for South African consumers to adjust their fuel in the short term? use South Africans' short term demand for petrol is relatively inelastic – short-term demand for fuel because of a lack of alternative transport systems. ✓✓

3.3

retrenchment. ✓ ✓

(Accept any other correct relevant response.)

As well as unreliable transport services due to strikes for wages or

 $(2 \times 2)$ 

(4)

MARKING GUIDELINES	ECONOMICS	
	(PAPER 2)	GR/

### 3.4 Briefly discuss the relationship between the product and factor markets.

- Factors of production are sold on the factor market, whilst products are sold on the goods market. ✓✓
- Without the factors of production, goods and services cannot be produced. ✓✓
- As the cost of the factors of production increase, so too will the price of products. ✓✓
- Shortages in the factor market will result in shortages in the goods market. ✓√
- The product market is highly dependent on the factor mark
- Any changes in the factor market will result in an influence on the cods market. ✓√

(Accept any other correct relevant response.)
(Max 4 marks for discussion of product and/or factor marks (4 x 2) (8)

### 3.5 How do natural disasters influence price elasticity of surely?

- The higher demand inevitably triggers price increases as availability decreases. ✓ ✓
- Production costs will increase which result in receptament of workers and lower supply and higher denied of the product.
- Natural disasters may lead to be for each of black markets in the economy. ✓√
- It will decrease the supply to international parkets which will result in products being cancer to delayed on oted. ✓√
- Unemployment is the texary of r will increase as fewer companies will be supplying a soducts.

(Accept any othe correct clevant asponse.) (8)

MARKING GUIDELINES	ECONOMICS	
MARKING GUIDELINES	(PAPER 2)	GR/

QUEST	ΓΙΟΝ 4:	MICROECONOMICS	
4.1	Answer	the following questions.	
	4.1.1	Name any TWO examples of fixed costs.	
		<ul> <li>Rent ✓</li> <li>Insurance ✓</li> <li>Loan payments ✓</li> <li>(Accept any other correct relevant response.)</li> </ul>	(2)
	4.1.2	What impact would an increase in the price of maizral ave a the supply of maize?	
		<ul> <li>The supply would increase as producers are willing to paximise profits. ✓√</li> <li>(Accept any other correct relevant response.)</li> </ul>	(2)
4.2	DATA	RESPONSE	(2)
4.2			
	4.2.1	Which statement describes tire specific as a SMART principle? Write down only the number of the statement from the information above, for example 4.2.1 STEME T 5.	
		Statement 1 or 1 ✓	(1)
	4.2.2	What is the object of a 1 m 1 a market economy?	
		To maturnise its profits.	(1)
	4.2.3	Briefly describe the term revenue.	
	4	The income part of by a business from the sale of goods and lices, $\sqrt{}$	
		(Accept iny 6 correct relevant response.)	(2)
	2.4	Applain the role of a measurable variable as an objective of a business.	
		It must be possible to test or measure whether the goal has been reached. ✓✓	
		(Accept any other correct relevant response.)	(2)
	4.2.5	Why does a firm prefer sales revenue maximisation rather than profit maximisation?	
		It may be difficult to identify the cost to cut since all costs may be essential in the production process. ✓✓      Firms will concentrate on maximising the company's revenue to	

maximise their returns. ✓✓

(Accept any other correct relevant response.)

Firms will concentrate on maximising the company's revenue to

 $(2 \times 2)$ 

(4)

MARKING GUIDELINES	ECONOMICS	
MARKING GUIDELINES	(PAPER 2)	GR/

### 4.3 DATA RESPONSE

4.3.1	Identify t	the cost	curve	linked to	the	shutdown	point.

Average Variable Cost/AVC ✓ ✓

### 4.3.2 Which of the graphs above is correctly drawn?

• B ✓ (1)

### 4.3.3 Briefly describe the term *long run costs*.

It is the period in which all factors of manufacturing and variable. ✓✓

(Accept any other correct relevant response.) (2)

### 4.3.4 Why do economists plot the graph of the MC and migraints?

 It is the equilibrium quantity and flows do not want to deviate from the point of equilibrium. ✓✓

(Accept any other correct released to the contract of the cont

# 4.3.5 How is the law of dimir thing the sinal returns related to the shape of the short-run is sinal ost curve?

- Beyond some spirit, the MP acreases as more of a variable factor is added a fix on tor of production. ✓ ✓
- As projection includes, coninishing marginal returns for the variable production betors mean that each additional unit of output will require more of the variable factors, so marginal costs go up when discripting returns set in.

(Accel any other consect relevant response.) (2 x 2) (4)

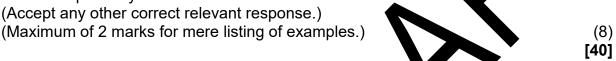
# 4.4 Using the grap beat discuss in detail the economic profit of a remopoly.

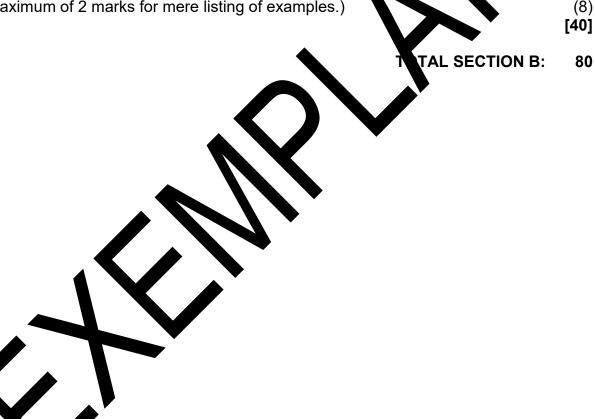
- nonopoly makes economic profit in the short and long run. ✓ ✓
- The level of output that maximises a monopoly's profit is when the marginal cost equals the marginal revenue. ✓✓
- Average revenue is above the average cost which indicates economic profit (shaded area). ✓ ✓
- R80 represents revenue made by the firm and R40 represents costs that should be covered by the firm. ✓ ✓
- Profit maximisation will be determined at MC=MR. ✓✓
   (Accept any other correct relevant response.)
   (4 x 2)

MARKING GUIDELINES	ECONOMICS (PAPER 2)	GR/
--------------------	------------------------	-----

### 4.5 Analyse the effect of tax on price elasticity.

- If demand is inelastic, a higher tax will cause only a small fall in demand. ✓ ✓
- Placing a tax on a good shifts the supply curve to the left. ✓✓
- When demand is inelastic, governments will see a significant increase in their tax revenue. ✓✓
- The consumer will be paying the tax in cases where the supply is more elastic than the demand. <
- The producer's burden is the decline in revenue due to taxe consumers will purchase goods and services.
- Luxury items will develop a more inelastic demand as the be required by consumers. ✓✓





MARKING GUIDELINES	ECONOMICS (PAPER 2)	GR <i>A</i>
--------------------	------------------------	-------------

## **SECTION C**

Answer ONE of the two questions from this section in the ANSWER BOOK.

Your answer will be assessed as follows:

STRUCTURE OF ESSAY	MARK ALLOCATION
<ul> <li>Introduction</li> <li>The introduction is a low-order response.</li> <li>A good starting point would be to define or explain a concept or key word that appears in the question.</li> <li>Do not include any part of the question in your introduction.</li> <li>Do not repeat any part of the introduction in the body.</li> <li>Avoid saying in the introduction what you are going to discuss in</li> </ul>	2
the body.  Body  Main part: Discuss in detail/In-depth discussion/Ecomine/ Critically discuss/Analyse/Compare/Evaluate/Distinguish/Differentiate/ Explain/Assess/Use the graph given and expression projecte the graph given/Debate  A maximum of 8 marks can be awarded at healings/examples.	Max. 26
Additional part: Give own opinion/Critically discuss/Evaluate/Critically evaluate/Calculate/Deduce/Col. pa. /Disc. guish/ Interpret/Briefly explain/How?/Suggest/List. a graph A maximum of 2 marks and be a valued for merely listing facts.	Max. 10
<ul> <li>Conclusion</li> <li>Any higher order of nells are just include the following:</li> <li>The conclusion is a whoreup of the discussion of the topic without repetition of facts already mentioned</li> <li>The conclusion are take the form of an own opinion or value judgment with examples to support your discussion</li> <li>Aditional information that strengthens your discussion/analysis</li> <li>The consideration can take a contradictory viewpoint with more alon, if reduested</li> <li>Recommendations</li> </ul>	Max. 2
TOTAL	40

MARKING GUIDELINES	ECONOMICS	
MARKING GOIDELINES	(PAPER 2)	GRA

### **QUESTION 5: MICROECONOMICS**

- Discuss, in detail, the demand and supply relationship with the aid of graphs (substitutes and complements). (26 marks)
- Examine the importance of complementary goods in the economy.

(10 marks)

### INTRODUCTION

A demand relationship occurs when two or more goods and services are demanded at the same time, due to the fact that they can be used together. 

(Max. 2)

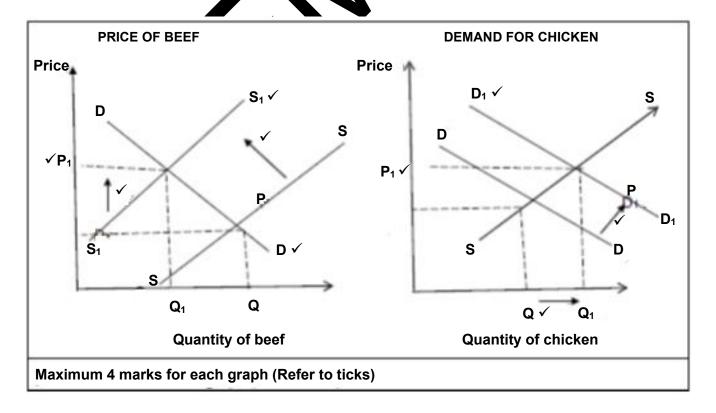
(Accept any other correct relevant introduction.)

### **BODY: MAIN PART**

- The main difference between a substitute and a compleme to that substitute goods are consumed in place of each other, whereas complement are consumed together. ✓√
- If the cross-price elasticity of demand of the two goods is positive, then the goods are substitutes. On the other hand, if the cross-price elasticity of the two goods is negative, then the goods are complements

### **Substitutes**

- A substitute product is a product that seed a place of another product.
- Some products have specific relationships that we affect demand.
- Example: If you want to buy keep but it is too expensive, you tend to buy a cheaper alternative, e.g. chicken this state, whicken is the substitute product.



MARKING GUIDELINES	ECONOMICS	CD4
	(PAPER 2)	GRA

### **EXPLANATION OF THE GRAPH**

### Price of beef

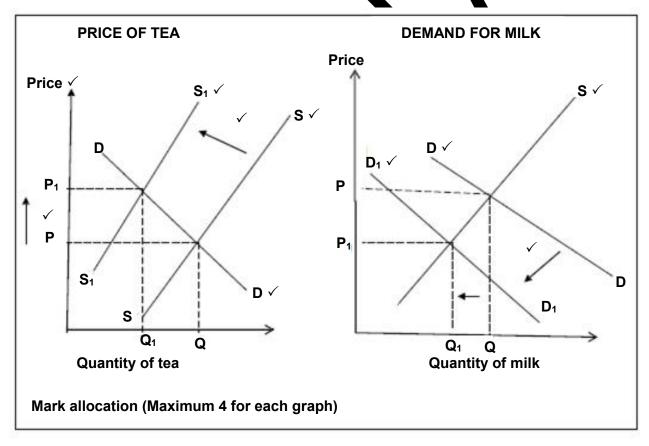
- The price of beef increases from P to P<sub>1</sub> due to a decrease in supply (supply-curve shifts from SS to S<sub>1</sub>S<sub>1</sub>).
- Leads to a decrease in quantity demanded of beef from Q to Q<sub>1</sub>.

### **Demand for chicken**

- The demand for the substitute good, which is chicken, increases from to D<sub>1</sub>D<sub>1</sub>
- Because of the increase in demand, price also increases from P to
- This implies that an increase in the price of one product will cause an increase in demand of the substitute product.

### **Complements**

Products are complementary products when they are used toget each satisfy a need or a want  $\checkmark$  e.g. tea and milk.  $\checkmark$ 



### **EXPLANATION OF THE GRAPH**

### Price of tea

- The price of tea increases due to a decrease in supply.
- Supply curve shifts from SS to S<sub>1</sub>S<sub>1</sub> while the price of tea increases from P to P<sub>1</sub>.
- Quantity demanded for tea decreases from Q to Q<sub>1</sub>.

MARKING GUIDELINES	ECONOMICS		
MARKING GUIDELINES	(PAPER 2)	GRA	

### **Demand for milk**

- The increase in the price of tea will cause a decrease in the demand for milk.
- People will buy less tea; therefore they will need less milk.
- This causes the demand curve (DD) to shift leftwards to D<sub>1</sub>D<sub>1</sub>, and quantity demanded decreases from Q to Q<sub>1</sub> and price will decrease from P to P<sub>1</sub>.
- For complementary goods, when the price of one good increases, the demand for the complementary product will decrease. If the price of one product decreases, the demand for complementary products will increase.

(Accept any other correct relevant response.)

(Allocate a maximum of 8 marks for mere listing of facts/examples.) ax. 26)

### ADDITIONAL PART

### Examine the importance of complementary goods in the each

- The complementary product usually adds to the overall value of other roduct, thus sharing a beneficial relationship. <
- Complementary products are usually affected by the prices of the products they t set the need to use the are used with. If the price rises, consumers products, resulting in a drop in demand,
- Complementary products increase sales thev e more crative to producers as compared to substitute goods sir the nd for one results in a demand for the other. ✓✓
- witch ers since it maximises brand Complementary products reduce product image. ✓ ✓
- Complementary product thelp in teacting consumer expectations, and marketers do not need to spend ot of time searc. ag and analysing. ✓ ✓
- Companies producted the complementary products can predict the market demand and price fluctuation, thus controlling prices effectively. 

  Complementary poducts to not product a lot of advertising and there are few
- v ∠xiting a market. ✓ ✓ barriers in terms of entering

relevant esponse.) (Accept any other con (Max. 10)

### CONCL **5ION**

Consultation r terns are price levels are all inter-related with each other. ✓ ✓

ther re vant correct higher-order conclusion.) (Accept any (Max .2) [40]

MARKING GUIDELINES	ECONOMICS (PAPER 2)	GR <i>A</i>
--------------------	------------------------	-------------

### QUESTION 6: MICROECONOMICS

• Discuss the price elasticity of demand (PED) without the aid of graphs.

(26 marks)

 Evaluate how a monopolistic enterprise like Eskom can benefit from using the price elasticity of demand for their product. (10 marks)

### INTRODUCTION

Price elasticity of demand will determine the sensitivity a product when there is a change in price. 🗸 🗸

(Accept any other correct relevant introduction.)

### **BODY: MAIN PART**

### Perfectly elastic demand ✓

- The smallest change in price will result in an infinite change it grantity demanded. ✓ ✓
- It is also referred to as infinite elasticity. ✓
- This price elasticity is equal to infinity. ✓✓
- Producers cannot change the price but post find ther ways increase revenue √√

### Perfectly inelastic demand ✓

- The demand will show no response to any arr all vice changes. ✓✓
- Price elasticity of demand is x
- The implication is that a lange a phose will cause no change in the quantity that consumers demand.
- Producers can increase price to increase revenue as demand will not change. ✓√

### Unitary elastic demand√

- Occurs when a specific change in price causes exactly the same change in demand.
- If the price increase by 10%, the quantity demanded will increase by 10%. ✓ ✓
- The value relasticit is equal to 1. ✓
- Products may not d to consider other methods to increase revenue. ✓✓

### Relatively inela

- The value is less than 1 but more than 0. ✓
- Demand is very unresponsive to changes in price. To improve revenue, increase price only. ✓✓
- Goods and services with a relatively inelastic demand are things such as salt, medical care, tobacco products and petrol (fuel). ✓✓
- They all have an elasticity coefficient of less than 1, meaning that the quantity demanded is not highly sensitive to a change in the price. ✓✓ (Max. 26)

MARKING GUIDELINES	<b>ECONOMIC</b>
WARKING GUIDELINES	(PAPER 2)

ECONOMICS (PAPER 2) GRA

### **ADDITIONAL PART**

Evaluate how a monopolistic enterprise like Eskom can benefit from using the price elasticity of demand for their product.

### **Positives**

- Eskom is the sole supplier of electricity, meaning they are a monopoly. ✓✓
- They have full market power and will decide on prices they wish to charge, ergo they are price makers. ✓✓
- Electricity is a necessity amongst households and businesses, there is e consumers have no choice but to pay the price. ✓√

### **Negative**

- There are however, alternative products such as gas, solar and win.
- Should Eskom use price elasticity of demand before determinibely air maket price, they will be able to charge a maximum price that consumers will be willing to pay and therefore ensure maximum revenue from consumers, whilst invintaining maximum demand.
- If Eskom continues to charge more for elegacity than the rich a alternate goods, consumers will eventually sacrifice the content of elecative for a cheaper alternative. ✓ ✓

(Accept any other correct relevant response

### CONCLUSION

Price elasticity of demand, reaks indirectly to be overall health of the economy in which a product is sold it of and reaks to both demographics (i.e., the size of the addressable population) at the income levels of the constituents that populate that consumption market. (Max. 2) (Accept any other relevant correct his ser order conclusion.)

[40]

TOTAL SECTION C: 40

**TOTAL: 150**