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HIGH SCHOOL OLYMPIAD PREPARATION STUDY GUIDE

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2021

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Proverto Educational Publishers designed this guide to help you prepare for the National Olympiad.

The guide consist of Olympiad Past Papers Round One and Round Two, 2020.

Study Tip:

Print the Red Answer Sheet provided or use a pen and paper to answer all questions, for example Section A, Question 1. A (answer A)

A memo is included for each question paper.

We hope this guide will help you prepare for the exams this year. The papers are 100 % aligned to the latest Curriculum.

Proverto designed online, interactive self tests (past papers) so that you can familiarise yourself with the olympiad exam papers.

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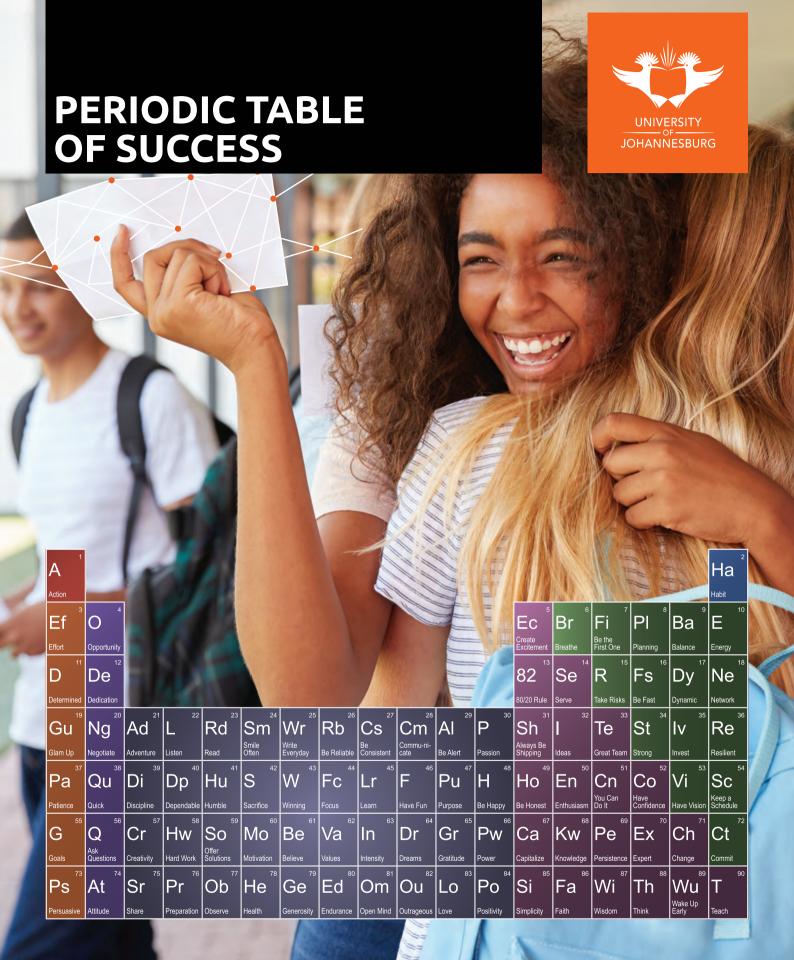








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- 3. The answer sheet has 3 sections. Please answer the section on the space provided for the subject; Example if you are answering the Accounting questions you must mark the correct answer in the Accounting block on the answer sheet. Each section will be marked separately.
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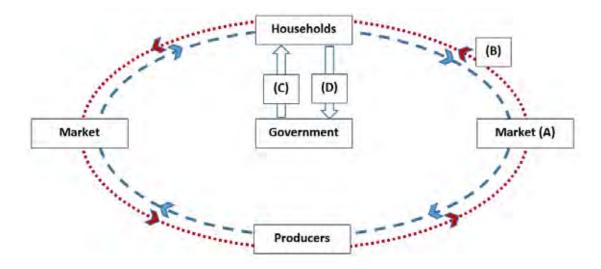






The circular flow

Study the following economic model and answer questions 1 to 5



- **1.** This economic model represents:
 - A how prices are determined on various markets.
 - **B** the circular flow of a macro-economy.
 - **C** causes for inflation.
 - **D** the national aggregates of income and supply.
- **2.** The market represented by (A) is the market for ...
 - A factors of production.
 B goods and services.
 C labour and entrepreneurship.
 D international trade.
- 3. The flow indicated as (B) from Market (A) to Households indicates the flow of:
 - A factors of production.
 B the remuneration of factors of production.
 C goods and services.
 D the remuneration for goods and services.
- **4.** If this model is in equilibrium, then it follows that:
 - **A** total income is equal to total expenditure.
 - **B** total income is greater than total expenditure.
 - **C** total income is less than total expenditure.
 - **D** there is no relation between total income and total expenditure.
- **5.** Flows (C) and (D) respectively indicates:
 - **A** public goods and subsidies. **B** subsidies and taxes.
 - **C** public goods and transfer payments. **D** transfer payments and taxes.

6. The following was taken from the SARB Quarterly Bulletin (December 2019).

R millio	on 2015	2016	2017	2018
Compensation of employees	1 912 083	2 072 859	2 225 800	2 320 179
Net operating surplus	1 079 222	1 123 567	1 226 323	1 249 182
Consumption of fixed capital	560 416	617 969	638 782	1 249 182
Taxes on production	81 169	85 519	92 072	101 936
Subsidies on production	7 983	8 356	9 653	6 492
Taxes on products	440 102	482 772	497 335	545 558
Subsidies on products	15 126	15 270	17 084	12 951
Extract from KB601				

The value of the GDP at market prices for 2017 is:

 A
 R 4 912 784 million
 B
 R 3 795 766 million

 C
 R 4 653 575 million
 D
 R 3 617 796 million

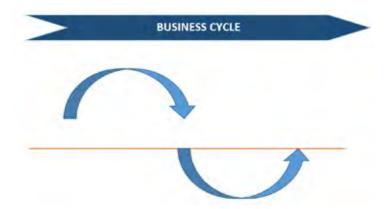
7. What will the change in consumption be in a closed economy with no government if there is an increase in investment of R1 000 000, and the marginal propensity to save (mps) is 0,2?

A -R5 000 000 **B** -R500 000 **C** R500 000 **D** R5 000 000

- **8.** What can the government do if the economy starts to show signs of inflation and they want to curb growth in the economy?
 - A Increase both taxes and imports.
 - **B** Decrease government expenditure and increase taxes.
 - **C** Increase both imports and the consumption of goods and services.
 - **D** Decrease taxes and increase government expenditure.

Business cycles

Study the following representation of the business cycle and answer questions 9 to 15.



- **9.** The opposite of a trough is the point on a business cycle where:
 - **A** inflation is at its lowest.
 - **B** aggregate demand and cost leads to a decrease in investment.
 - **C** aggregate economic activity is decreasing.
 - **D** the unemployment rate is at its lowest.
- **10.** The phase between a through and a peak on a business cycle can best be described as ...
 - A a recovery point. B an expansion phase. C a contraction phase. D an optimal output point.

/2

11. During the recovery phase, the economic growth rate on a year-to-year basis is:

A negative, but at an increasing rate. B negative, but at a decreasing rate.

C positive, but at an increasing rate. **D** positive, but at a decreasing rate.

12. According to www.weforum.org, travel restrictions and quarantines as a result of Covid-19 affected hundreds of millions of people and have left Chinese factories short of labour and parts, disrupting justintime supply chains and triggering sales warnings across various industries. Based on this, which one of the following best explains the reasons for business cycles?

A Exogenous reasons B Endogenous reasons C Structural reasons D Monetary reasons

13. The phase of a business cycle that occurs after a trough and when the growth rate is positive can be described as a _____ phase.

A boom B contraction C recession D depression

14. In an effort to adjust economic growth, the government announces a decrease in taxes. This is an example of

A expansionary fiscal policy.B contractionary fiscal policy.

C expansionary monetary policy. **D** contractionary monetary policy.

15. Which one of the following changes in aggregate demand and aggregate supply will lead to a decrease in economic growth?

A An increase in aggregate demand while aggregate supply remains constant.

B An increase in aggregate supply while aggregate demand remains constant.

C A decrease in aggregate demand and a decrease in aggregate supply.

D An increase in aggregate demand and an increase in aggregate supply.

The public sector

16. An economist tweets that he expects the inflation rate to increase with 1 percentage point this year, as the inflation rate has increased with 1 percentage point per year for the last 5 years. This is an example of ...

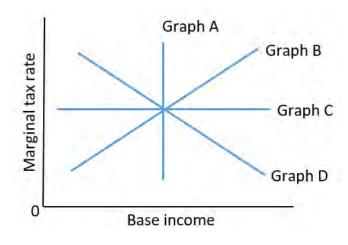
A historical models.

B econometric models.

C extrapolation.

D moving averages.

17. Which graph depicts the South African income tax the best?



A Graph A

B Graph B

C Graph C

D Graph D



18.	so sl	sluggy snail is a lar hallow, and so clea best be described	r, that a				_	•		
	A	common good.	В	public good.	C	collective good.		D	merit good.	
19.	The	following are chara	acterist	ics of goods:						
	(b) (c) I	These goods have These goods have People don't realise These goods have	a positi e or ign	ive externality. Fore the costs of	using the	ese goods.				
	Meri	t goods are best d	escribe	d by:						
	A	(a) and (b)	В	(b) and (c)	C	(c) and (d)	D	(a) and	d (d)	
20.	Whic	ch one of the follow	wing is	TRUE?						
	A B C D	In a free market, In a free market, t	there w	will be overconsu ill be underconsu	imption mption c	merit goods, and u of both merit good of merit goods and on of both merit go	ds and overco	demerit nsumpti	t goods. on of demerit o	_
21.	Whic	ch one of the follow	wing be	est describes a ne	egative e	xternality?				
	A	A farmer grows of as a result of the	_	•	vide nect	ar for a nearby be	ekeepe	er who g	ains increased	l honey
	B C	Private educatio	n ensu	res that the gove		saves the cost of a elps to reduce the	•	•		ness
	D		•	•		es which may cause		•		
22.	The	lockdown on socia	l gathe	rings as a means	to curb	the spread of Covi	d-19 is	an exar	mple of:	
	A B C D	increasing the ac managing gover government reg government cur	rnment ulating	spending progr economic activi	ammes.	r.				
23.		rder to overcome n ch one of the follow	_		ne econo	my needs some fo	rm of	governm	nent intervent	ion.
	A B C D	Subsidies on goo The government	ods wit t may p	h positive exterr llace regulations	nalities ca which lii	nsumption of goo an be increased. mit the externalitie se it easier to choo	es.			
Fore	ign e	xchange markets								
24.	Whic	ch of the following	is a rea	son not to prom	ote free	trade between cou	untries	?		
	A B C D	Less wastage as Domestic mono Structural unem Developing eco	polies v ployme	will face more co ent may decrease	mpetitio e.	n from other coun	tries.			/4



2 5.	one		ake 10			•		hour. According to			
	 Jane should produce both products A and B. Jane and Mike should carry on producing the number of units they are currently producing. Jane should specialise in product A and Mike should specialise in product B. Mike should specialise in product A and Jane should specialise in product B. 										
26.	Possi	ible reasons for a	current	account deficit are	e:						
	(b) H (c) U (d) H	High consumer sp Unbalanced econ exports.	oending omy wl	ative competitiven	se in in focuses	nports. s on consumer spe	nding	s are cheaper. rather than investr trial unrest or poor			
	Whic	th of the possibili	ties are	TRUE?							
	A C	(a), (c) and (d) only (c)			B D	(b) and (d) (a), (b), (c) and (d	d)				
		•		rican Rand equall er questions 27 ar				020, 1 South Afric	an		
27.	The F	Rand	agains	t the Euro.							
	A	devaluated	В	revaluated	c	depreciated	D	appreciated			
28.	On 2	1 March 2020, im	ports o	f €1 000 will							
	A C	cost R2 201.25 cost the same.	more.		B D	cost R2 201.25 le Impossible to sa					
29.	In or	der to reduce a cı	urrent a	ccount deficit, the	goverr	nment needs to int	erven	e.			
	(a) (b) (c) (d) (e) (f)		mer spe licies to olicies the exc	ending. improve competit to improve compe change rate.							
	The k	pest policies to at	tain the	e goal of reducing	the cur	rent account defic	it are:				
	Α	(a), (c) and (f)	В	(b), (d) and (e)	c	(b), (d) and (f)	D	(a), (c) and (e)			
30.				ountry F experience goods are produce		-	ity. Th	is will cause the cu	rrency of		
	A C	appreciate; low appreciate; hig			B D	depreciate; lowe depreciate; high					



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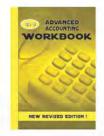
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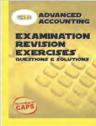
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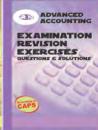
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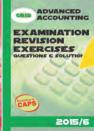














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Proverto National Olympiad 2020

GRADE 12

ROUND TWO

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PROVERTO EMS OLYMPIAD 2020 – GRADE 12 ECONOMICS

ROUND 2

Protectionism and free trade

- 1. During the lockdown period, international trade was suspended. This is an example of:
 - A regulating national trade.
 - B import substitution.
 - C protection.
 - D export promotion.
- 2. The Bilateral Trade Agreement between South Africa and Zimbabwe was terminated on 20 November 2018. Which one of the following is correct with regards to bilateral trade agreements?
 - A bilateral trade agreement between two countries eliminates tariffs and other trade taxes charged on a non-partner country.
 - B It gives the partner countries an opportunity to dump products at a price below what it would sell for at home or even its cost to produce in order to obtain market share.
 - C Governments are allowed to subsidise strategic industries, giving them an unfair advantage when exporting to another nation.
 - D The agreement standardises regulations, labour standards and environmental protections, thus reducing the regulations and giving the country's exporters a competitive advantage over its foreign competitors.
- 3. South Africa implemented quotas on imports of selected clothing and textile lines from China at the beginning of 2007. This forms part of:
 - A export promotion.
 - B import substitution.
 - C protection.
 - D free trade.
- 4. What will the benefit be for South Africa if they implement a quota on imports of selected clothing and textile lines from China?
 - A Local producers will get the opportunity to produce goods for international markets.
 - B It will lead to an increase in local jobs.
 - C Lower prices are paid in the local market.
 - D The quality of goods available on local markets will increase.

The dynamics of imperfect markets

- 5. Which ONE of the following is the best example of firms in monopolistically competitive markets?
 - A The sole general practitioner in a small rural town.
 - B Netflix.
 - C Restaurants in a large shopping mall.
 - D Computer operating systems such as Apple and Windows.

Study the following table showing the Total Revenue and Total Cost on a strawberry farm, and answer questions 6 to 8.

Quantity (Q)	Total Revenue (TR)	Total Cost (TC)	Profit	Marginal Revenue (MR)	Marginal Cost (MC)
0	RO	R62	-R62		_
10	R40	R90	-R50	R4.00	R2.80
20	R80	R110	-R30	R4.00	R2.00
30	R120	R126	-R6	R4.00	R1.60
40	R160	R138	R22	R4.00	R1.20
50	R200	R150	R50	R4.00	R1.20
60	R240	R165	R75	R4.00	R1.50
70	R280	R190	R90	R4.00	R2.60
80	R320	R230	R90	R4.00	R4.00
90	R360	R296	R64	R4.00	R6.60
100	R400	R400	RO	R4.00	R10.40
110	R440	R550	R-110	R4.00	R15.00
120	R480	R715	R-235	R4.00	R16.60

- 6. The maximum profit that the farmer can make from producing strawberries is:
 - A R75 when he produces 60 strawberries, as MR > MC.
 - B R90 when he produces 70 strawberries, as MR > MC.
 - C R90 when he produces 80 strawberries, as MR = MC.
 - D R64 when he produces 90 strawberries, as MR < MC.
- 7. What will the profit be if the farmer decides not to produce strawberries at all, but he does not exit the market?
 - A -R62
 - B -R50
 - C -R30
 - D -R6
- 8. Assume that the fixed costs of the strawberry farm increases. What would happen to the Total Cost curve?
 - A The Total Cost curve would move downwards by the amount of the fixed costs.
 - B The Total Cost curve would shift upwards and become steeper.
 - C The Total Cost curve would maintain its curvature, but would shift up by the amount of the fixed cost.
 - D The Total Cost curve would move downwards, as more output is produced.

- 9. Which one of the following is NOT a key feature of a monopoly?
 - A No close substitute.
 - B Influence over price.
 - C Diseconomies of scale.
 - D Barriers to entry in the market.
- 10. Firm D is a single-price monopoly and Firm E is a perfectly competitive firm. Firm E will produce:
 - A more output and has a higher price.
 - B more output and has a lower price.
 - C less output and has a higher price.
 - D less output and has a lower price.

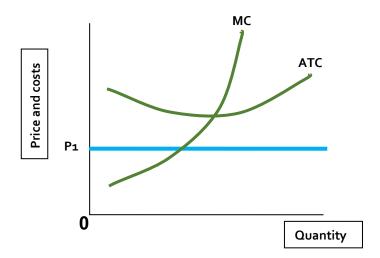
Market failures

- 11. Country Y experiences a market failure. This indicates a situation where:
 - A markets encourage owners of factors of production to take risks.
 - B sellers are not able to make profits in the market.
 - C the utility that buyers gain in the market is way more than the opportunity costs of buying the goods.
 - D markets fail to allocate the factors of production efficiently to satisfy wants and needs.
- 12. Which of the following will be regarded as market failures?
 - (i) The price of goods increase because there is a shortage of goods.
 - (ii) There is a shortage in the supply of merit goods.
 - (iii) Reducing prices leads to decreasing profits.
 - (iv) Private goods are under-supplied.
 - (v) Property rights are not allocated.
 - (vi) Abuse of monopoly power.
 - A (i), (iii) and (iv)
 - B (i), (ii) and (vi)
 - C (iii), (iv) and (v)
 - D (ii), (v) and (vi)
- 13. Which one of the following reasons is the most accurate explanation of why the government would start to supply a public good in a market economy?
 - A The government does not pay custom duties on imported raw materials necessary for producing the public goods.
 - B Governments have full knowledge of all information regarding economies all over the world.
 - C The government can spend taxes to fund the provision of this type of goods.
 - D The chances of a market forming in order to supply these public goods are basically zero.
- 14. During the Covid-19 epidemic, the public sector provided healthcare to the people. Which of the following is an acknowledged risk associated with the provision of free healthcare by the public sector?
 - A They may only use inferior treatments.
 - B If the state provides free healthcare, then private healthcare may not exist.
 - C Doctors in the public sector may not be as educated as doctors in the private sector.
 - D The provision of free healthcare can create moral hazard, as people may take chances during lockdown.

The dynamics of perfect markets

- 15. Perfect competition is an industry with:
 - A a few firms producing identical goods.
 - B many firms producing goods that differ somewhat.
 - C a few firms producing goods that differ somewhat in quality.
 - D many firms producing identical goods.
- 16. Farm A and Farm B produce wheat in a perfect market. The demand for wheat from Farm A is perfectly elastic, because wheat from Farm A is:
 - A a perfect complement to wheat from Farm B.
 - B a perfect substitute for wheat from Farm B.
 - C a normal good
 - D an inferior good.
- 17. The market for fish in a fishing village is perfectly competitive. The price elasticity of demand for fish from Fisherman G:
 - A is sometimes greater than and sometimes less than the elasticity of demand for fish overall.
 - B is greater than the elasticity of demand for fish overall.
 - C is less than the elasticity of demand for fish overall.
 - D equals the elasticity of demand for fish overall.
- 18. Economists assume that a perfectly competitive firm's objective is to maximise its:
 - A revenue.
 - B economic profit.
 - C output price.
 - D quantity sold.

The following graph shows the marginal cost and the average total cost curves of Firm T.



- 19. If the price of goods is P1, Firm T is currently:
 - A earning a normal profit.
 - B incurring an economic loss.
 - C earning enough revenue to pay all of its opportunity costs.
 - D making an economic profit.

The circular flow, national aggregates and business cycles

- 20. The recovery phase of the business cycle usually begins with:
 - A low interest rates, and continues with increases in demand and employment, which leads to economic expansion.
 - B high interest rates, and continues with decreases in demand and employment, which leads to economic expansion.
 - C low interest rates, and continues with increases in demand and employment, which leads to economic contraction.
 - D high interest rates, and continues with decreases in demand and employment, which leads to economic contraction.
- 21. The South African government announced a R500 billion economic support package in order to preserve the economy as a result of the Covid-19 lockdown. According to the Minister of Finance, the third part of the package will see an extensive set of tax relief and support for workers. This forms part of the _____ policy of the state.
 - A BEE
 - B fiscal
 - C monetary
 - D social
- 22. If a foreign country invests in South Africa, the investment is seen as a/an _____ aggregate demand.
 - A injection that decreases
 - B injection that increases
 - C withdrawal that decreases
 - D withdrawal that increases
- 23. Injections in the economy consist of:
 - A exports, government expenditure and investments.
 - B imports, savings and taxes.
 - C exports, investments and savings.
 - D imports, government expenditure and taxes.
- 24. During the Covid-19 epidemic, Cuban doctors came to assist South Africa. The remuneration paid to them will:
 - A have no influence on the national figures of South Africa.
 - B have no influence on the national figures of Cuba.
 - C be added to the GNP of South Africa.
 - D be added to the GNP of Cuba.

The public sector, foreign exchange market, exchange rates and the balance of payments

- 25. Which of the following best describes a macro economic issue?
 - A The price of Covid-19 test kits.
 - B The wage rate of Cuban doctors imported to help South Africa.
 - C Your decision to go to work or work from home during the lockdown.
 - D The increase in the level of unemployment in South Africa as a result of the slowdown of the economy.

- 26. Which one of the following can the government not use directly to get the economy back on track after the lockdown?
 - A Wage rates of employees in the private sector.
 - B Wage rates of employees in the public sector.
 - C Increase in the investment of state education.
 - D Increase in the subsidies paid to previously disadvantaged citizens.
- 27. South Africa has a trade deficit. This means that:
 - A net exports are negative.
 - B net capital outflow must be positive.
 - C exports exceed imports.
 - D net exports are positive.
- 28. Which of the following is an example of foreign direct investment?
 - A BMW SA buys a computer software programme from India.
 - B Investec purchases shares in a pharmaceutical company in Ireland.
 - C Louis Vuitton opens a shop in Sandton.
 - D South African publisher sells the rights to make a movie of a book to Universal Studios.
- 29. An appreciation of the Rand is likely to occur if:
 - A domestic interest rates fall.
 - B there is an increase in demand for imports.
 - C there is an increase in demand for exports.
 - D there is an increase in the balance of payments deficit.
- 30. If the South African monetary government wants to prevent the decrease of the external value of the Rand, they should:
 - A sell Rands.
 - B decrease interest rates.
 - C purchase Rands.
 - D purchase foreign reserves.



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ECONOMICS OLYMPIAD GRADE 12 - 2020

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past paper

MEMORANDUM

ANSWER

LOWER LEVEL MODERATE LEVEL HIGHER LEVEL

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ANSWER

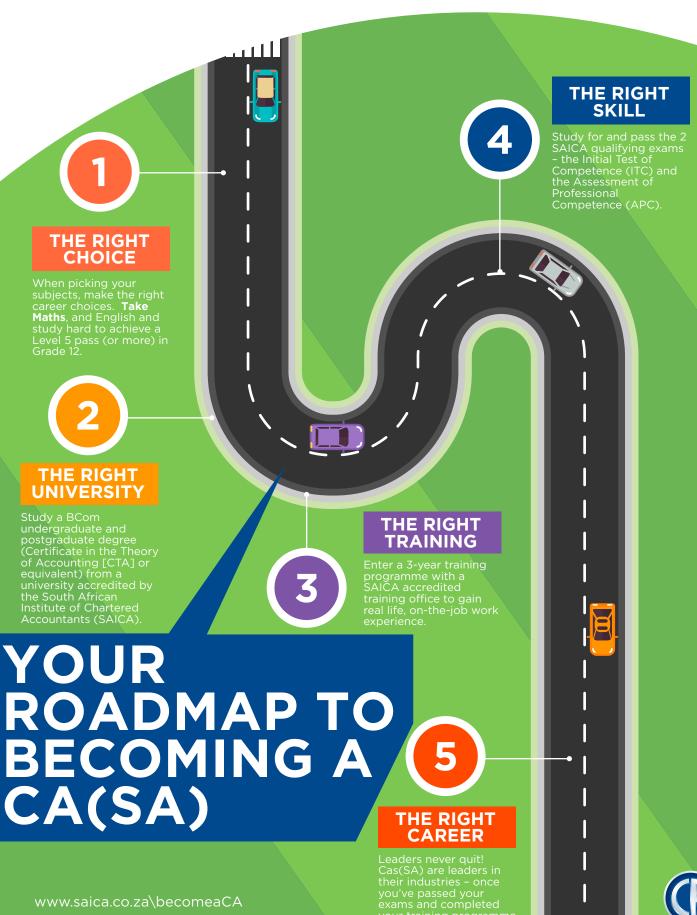
LOWER LEVEL MODERATE LEVEL HIGHER LEVEL

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