

Cambridge International Examinations

Cambridge International Advanced Level

BUSINESS 9609/33

Paper 3 Case Study May/June 2017

MARK SCHEME
Maximum Mark: 100

Published

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Question			Answer		Marks
1	Analyse the benefits to PV of outsourcing the manufacture of components for its shoes.				
	Level	Knowledge 3 marks	Application 2 marks	Analysis 5 marks	
	2	3 marks: Two or more relevant points made about outsourcing and/or benefits	2 marks: Points made are applied to PV	4–5 marks: Good use of theory to explain benefits of outsourcing	
	1	1–2 marks: One or two relevant points made about outsourcing and/or benefits	1 mark: Some application to PV	1–3 marks: Some use of theory to explain benefits of outsourcing	
	0		No creditable content		
	 Outso PV construction Lower to she specing Lower to specing Lower to specing Lower to specing Lower to specing Expense 	could include: purcing is transferring functed increase flexibility of some achieving higher quality or operating costs might be a higher cost elements of alists might have. I inventory levels could be a quality may result as spage from less capital need the form of the pusinesses of the counter of the	e achieved by drawing or of production and gain the e held. pecialists supply. led.	-	
	 Ref to mark PV m Read shoe Implied leather Refer also 9 Might Experiments 	o shoes / components only as in stem of question ight outsource supplies or ily accessible network of materials and component cations for shoe productions for shoe outsourcing the further outsourcing help	of eyelets, laces, dyeing le component suppliers / eff ts on, including mention of sp might help Pedro's high i with shoe defect problem es with more experience of	ficient supply chain for pecifics, such as laces, nventory problems and as?	

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Question	Ans	swer		Marks
2(a)(i)	Refer to the table in Appendix 1. Calcula	ate:		1
	seasonal variation in 2015 Quarter 1.			
	\$30m – 21.375 = \$+8.625m			
	\$m not required			
2(a)(ii)	average seasonal variation in Quarter 4	-		1
	\$m(-1.375 - 1.125 -1.875) / 3 = \$-1.458 ((\$–1.46m 2 decimal pl	aces or – 1.5)	
	\$m not required			
2(b)	Refer to the table <u>and</u> graph in Appendi Quarter 3 in 2017.	x 1. Calculate PV's fo	recast sales for	3
	Predicted trend from inspection of graph: (error margin 23.75 – 23.85)	\$23.8m	(1 mark)	
	Add average seasonal variation:	\$-6.125m	(1 marks)	
	Accept 17.68 or 17.7 (3 marks) (error margin 17.625 – 17.725)	= \$17.675m	(3 marks)	
	\$m not required OFR Up to 2 marks can be awarded for:			
	 Logical attempt to predict trend using the second (e.g. by considering the average of the Correct use of seasonal variation) 		(1 mark) (1 mark)	

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Question			Answe	r		Marks
2(c)		the usefulness os. Refer to your	of sales forecasts result from 2(b).	to PV when makir	ng marketing	12
	Level	Knowledge 2 marks	Application 2 marks	Analysis 4 marks	Evaluation 4 marks	
	2	2 marks Two or more relevant points made	2 marks Application of two or more points to PV	3-4 marks Good use of theory to answer question	3-4 marks Good judgement shown	
	1	1 mark One relevant point made	1 mark Some application to PV	1-2 marks Some use of theory to answer question	1-2 marks Some judgement shown	
	0		No credita	ible content		
	Answers Meth Sales varia Fore PV fa to as plant Case buye poss May analy How If Pe	could include: nods of forecasting s forecasting usin ations and gives a casting enables p aces clear seasor sume that the fute ning. e indicates possib ers' requirements, biblity of direct sel be advisable to in ysis. forecasts contributed dro is certain the ages that other evi	g Time Series Anal realistic prediction. lanning, this methonal variation and colure will be similar, rule changes to the mincreasingly fragmeling, thus decreasing	ysis takes account d fits sales pattern nsistent past trends naking forecasting narket – buyer's core ented relationships g value of forecast t of probability to the ing and production uture success PV n	of seasonal well i.e. s so it is reasonable valuable for mments, change in with buyers, ing. ne forecasts – what if planning	
	 Fore Multi Poss Poss Use Fore PV fa Evaluation More Relied Othe 	cast only refers to national shoe retained in the sible more efficient of graph to indicate cast shows increases clear season on the reliable than simes on future eventer evidence needs	export market, not aller buyers, takeov t working methods estment in new made changes in patters ased sales hal variation and comple forecasting or just behaving as in patters to be taken into acceptors.	ers by larger shoe may lower costs chinery rn (lower growth ransistent past ust projecting a trerest patterns so may count e.g. prediction	manufacturers te in 2016) nd not be reliable on of competitors'	

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Question			Answei			Marks	
3		Discuss how PV might change the way it organises production to achieve its objectives.					
	Level	Knowledge 2 marks	Application 2 marks	Analysis 6 marks	Evaluation 6 marks		
	2	2 marks At least two relevant points made	2 marks Good application	4-6 marks Good use of theory to answer question	4-6 marks Good judgement shown with supporting analysis		
	1	1 mark One relevant point made	1 -2 marks Some application to PV	1-3 marks Some use of theory to answer question	1-3 marks Some judgement shown		
	0		No credita	ble content			
	Answers	that t prod s could include:	focus on improving luction objectives.	motivation must be			
	60% inve	6 delivery time met entory costs. ggestions might foci lity assurance/TQN ster order led produ	ction following close	sts, reduce wastag tion and shift from er liaison with buyer	e to 5%, reduce quality control to		
	on s Cel Ber	suppliers. I production. nchmarking. reased training for e	er) held, linked to or employees.	ders and clear qua	lity. requirements		
	• Nev	ality circles. w machinery. cept reference to flo	w as alternative				
	60% • Pre	erence to current p 6 delivery time met	issembly line, single				
	ava • Will	anges will take time ilable? Will they ac the changes be in	money and resourd hieve the required in time to prevent loss commitment to chan	mprovements? s of orders?			
	bus • Wh	iness? at steps are the inc	reasing competition	taking?			

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A supported recommendation.

Question	Answer		Marks
4(a)(i)	Refer to Appendix 2. Calculate:		2
	payback period.		
	4.25 years or 4 years 3 months Some attempt e.g. cumulative net cash flows	(2 marks) (1 mark)	
4(a)(ii)	accounting rate of return over the 5 year life of the investment.		3
	Net cash flows / years as % = $\frac{2.3-2}{5} \times 100 = \frac{0.3 \times 100}{5} = 6\%$ (or 0.06) or		
	Average annual net cash flow – annual depreciation/initial cost as % = $0.46 - 0.4 = 0.06$ / $2 \times 100 = 3\%$ (or 0.03)		
	or		
	Sum of Net cash flow each year – average depreciation/initial cost as $\%$ = 0.1 + 0.1 + 0.1 + 0 + 0 = 0.3 / 2 × 100 = 15% (or 0.15)		
	Some attempt with partially complete correct working Some attempt / correct formula	(2 marks) (1 mark)	
4(a)(iii)	net present value over the 5 year life of the investment.		2
	NPV = -\$0.235m (accept -\$0.24m or -\$0.23m)	(2 marks)	
	Sum DCF over 5 years = \$1.765m (accept \$1.77m or \$1.76m)	(1 mark)	
	Some reasonable attempt e.g.mistake in calculation	(1 mark)	
	\$m not required		
4(b)	Refer to Appendices 2 and 3. Calculate the discounted payback per annual net cash flows of \$0.4m continue after year 5.	iod if the	2
	Just over 6 years / 6.054 years (accept 6 years)	(2 marks)	
	Use of DCF or some reasonable attempt e.g. 6.647yrs	(1 mark)	
	Examiner Note: Example of Full Calculation (details not required for 2 ma	arks):	
	NPV over 5 years + DCF in year 6 = $-\$0.235 + (0.56 \times \$0.4\text{m}) = -\$0.011$ Therefore NPV reaches zero in just over 6 years	lm	
	Year 7 DCF for whole year: $0.51 \times \$0.4m = \$0.204m$ So, Year 7 DCF per day: $\$0.204m / 365 = 0.00056$		
	Therefore, answer is 6 years + (0.011 / 0.00056) = 6 years 20 days. (6yrs 0.647mths)	5	

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Refer to your answers to 4(a), 4(b) and other relevant information. Recommer whether PV should invest in new machinery. Justify your answer. Level Knowledge 2 marks Application 2 marks 4 marks 4 marks 4 marks 4 marks 4 marks 4 marks 2 marks 2 marks Application of two or more relevant points to PV Application of two or more points to PV 4 marks 3–4 marks 3–4 marks 6 mod judgement shown with supported recommendation 1 mark 1 mark 1 mark 5 me use of theory to answer question 1–2 marks 5 me use of theory to answer question 1–2 marks 5 me use of theory to answer question 1–2 marks 5 me use of theory to answer question 1 mark 1 mark 5 me use of theory to answer question 1 mark 1 mark 5 me use of theory to answer question 1 mark 2 marks 1 mark 2 marks 2 marks 3 marks 3 marks 3 marks 3 marks 3 marks 4 marks 3 marks 4 marks 3 marks 4 marks 3 marks 3 marks 4 marks 3 marks 5 mode judgement 1 marks 1 marks 1 marks 2 marks 2 marks 3 marks 3 marks 4 mar
2 marks 2 marks 2 marks 3—4 marks Good judgement shown with supported recommendation 1 mark One relevant point made 1 mark One relevant point made Note to examiners: Own figure rule from 4(a) and 4(b) applies L1 AN and EVAL only use results or only use other information. Answers could include: Discount factor Net cash flow
2 marks Two or more relevant points made 1 mark One relevant point made 1 mark Some application to PV No creditable content Note to examiners: Own figure rule from 4(a) and 4(b) applies L1 AN and EVAL only use results or only use other information. Answers could include: Initial investment Net cash flow
1 mark One relevant point made Some application to PV Some use of theory to answer question Note to examiners: Own figure rule from 4(a) and 4(b) applies L1 AN and EVAL only use results or only use other information. Answers could include: Initial investment Net cash flow
Note to examiners: Own figure rule from 4(a) and 4(b) applies L1 AN and EVAL only use results or only use other information. Answers could include: Initial investment Discount factor Net cash flow
Note to examiners: Own figure rule from 4(a) and 4(b) applies L1 AN and EVAL only use results or only use other information. Answers could include: Initial investment Discount factor Net cash flow
cost Net cash flow \$m at 10% discounted at 10% \$m
Yr 0 (2) 1 (-2)
Yr 1 0.5 0.91 0.455
Yr 2 0.5 0.83 0.415 Yr 3 0.5 0.75 0.375
Yr 4 0.4 0.68 0.272
Yr 5 0.4 0.62 0.248
Yr 6 0.4 0.56 0.226
Yr 7 0.4 0.51 0.205

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Question	Answer	Marks
	 All figures are forecast and may be better than expected. Discounted payback and NPV show that 6 years is the time when investment is repaid – only one year longer than expected lifetime. Expected lifetime is a very conservative estimate – current machinery is 14 years old and expected life in the industry is ten years. These point to going ahead with investment. 	
	Other things to consider are: The risks associated with the forecasting of the cash flows. the speed with which the existing machinery will deteriorate. the importance of new machinery in the strategy to reduce costs and increase quality. the availability of finance – there is money for the marketing options so this may not be a problem but Pedro does have to obtain finance.	
	 Application Use made of answers from 4(a) Reference to 10 year expected life Evaluation A supported recommendation should follow consideration of pros and cons of making the investment. Points made re adequacy / inadequacy / reliability of methods from 2 (a) Assessment of importance of other information e.g. possible future market conditions, economic factors, government actions, availability and cost of finance, other planned changes by PV. 	

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Question			Answei			Marks
5		how PV should r s (lines 65–71).	espond to the thr	eat of employees	leaving the	16
	Level	Knowledge 2 marks	Application 2 marks	Analysis 6 marks	Evaluation 6 marks	
	2	2 marks Good knowledge of relevant factors	2 marks Application of two or more points to PV	4–6 marks Good use of theory to answer question	4–6 marks Good judgement shown in weighing up the factors	
	1	1 mark Some knowledge of relevant factors	1 mark Some application to PV	1–3 marks Some use of theory to answer question	1–3 marks Some judgement shown	
	0		No credita	ble content		
	Answers	points	er should focus on re: motivation, lea may be relevant if clude:	dership or other H	•	
	simil Job 1 Poor Auto BUT Carir	average wages par ar businesses tasks very specific, promotion opportu- cratic decision making attitude and curr a uncertainty in job	possible boredom inities cf. to elsewh king and lack of par rently average wag	and lack of wider therections and lack of wider the	training	
	GreatNew greatLower	changes about to hater delegation with machines and pote ter involvement / cher costs may enable sible new designer	quality assurance ential for change in nange e higher wages	not control production metho	ds leading to	
	ResetleaveCanMay	e and satisfaction a	e attitudes to import t work. se payments to en sful marketing / pro	nployees in higher duction changes	fluencing decision to wages or bonuses?	
	• Ease	n the labour marke e and cost of finding levels in labour ma	g replacement emp	loyees		

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Question				Answer		Marks
	lab		•		other local firms, current low	
	MoWeReSupport	sion of factors s st important fa sighing up the i lating factors a oported recom	ctor or ranking mpact of factor and any decising mendation of		factors s if employees leave or not tional area objectives and plans	
		C	Questions 6 a	nd 7 use this ma	rking grid:	
	Level	Knowledge 3 marks	Application 3 marks	Analysis 4 marks	Evaluation 10 marks	
	3				7–10 marks: Good judgement shown throughout with well supported conclusion/recommendation, focused on	
	2	3 marks: Good understand- ing shown	3 marks: Good application to PV	4–6 marks: Good use of reasoned argument or use of theory to explain points made to explain points made	4–6 marks: Some judgement shown in the main body of the answer and an attempt to support conclusion/recommendation, focused on with some focus on PV	
	1	1–2 marks: Some understand- ing shown	1–2 mark: Some application to PV	1–3 marks: Limited use of reasoned argument or use of theory to support points made	1–3 marks: Limited attempt to show judgement either within the answer OR a weakly supported conclusion/ recommendation with some focus on PV	
	0			No creditable con	tent	

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Question	Answer	Marks
6	Evaluate the importance of strategic analysis for PV when considering options A and B.	20
	Note to examiners: A recommendation for Option A or B will NOT fully answer the question.	
	Answers could include:	
	 Explanation of strategic analysis and its techniques – SWOT, PEST, Boston Matrix, Porters 5 Forces, core competencies. Place of strategic techniques in strategic management Critical comments on the techniques Recognition that Option A and B are marketing options and that marketing planning concepts may be used Application of these techniques to Option A or B 	
	 Example: Option A – designer shoes SWOT – strengths and opportunities but note weaknesses PEST – increasing interest in designer shoes, increasing middle class incomes, advanced machinery and new materials Boston Matrix – only "cash cows" in current product range Porters 5 Forces – faces threat on new competition, high bargaining power of customers and suppliers but little threat of substitutes means high degree of rivalry in current markets Core competencies – variety of shoes made in response to demand 	
	Possible conclusion • All techniques indicate a change of emphasis could be highly beneficial and Option A strongly worth considering	
	 Option B – alter target markets and distribution methods SWOT – strengths, especially existing sales networks but note weaknesses PEST – export market shows little sign of change except exchange rate and possible increasing interest in expensive exclusive shoes, domestic market increasing, Boston Matrix – only 'cash cows' in current product range Porters 5 Forces – faces threat of new competition, high bargaining power of customers and suppliers but little threat of substitutes means high degree of rivalry in current markets 	
	 Core competencies - variety of shoes made in response to demand Possible conclusion All techniques indicate a change of emphasis could be highly beneficial and Option B strongly worth considering, if additional distribution networks set up. 	
	Application Information from case used in strategic analysis techniques	

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Question	Answer	Marks
	Evaluation Clear conclusion as to the importance of strategic analysis and/or techniques including:	
	 Importance of understanding where the business is now in order to generate ideas and / or support for options A and B Comments that strategic analysis on its own is not enough to fully support a decision Weighing up importance of other stages in strategic management especially objectives and choice techniques in relation to strategic analysis Ranking the usefulness of the techniques in relation to Option A or B An assessment of the relative importance of marketing planning in relation to strategic analysis An assessment of the importance of timing and a timescale in carrying out analysis. 	
7	Discuss the importance of strategic management to the future success of PV.	20
	Note to examiners: Strategic management covers two main topics – business planning and the process of setting objectives, analysis, choice implementation and review to achieve these. Either approach is to be credited.	
	Answers could include:	
	 Definition / explanation of strategic planning and management, possibly including: Business plans and their contents Components of strategic management – vision statements / objectives, analysis, choices, implementation and evaluation Problems / issues faced by PV, possibly including decisions centred on: Possible production and sourcing changes Future marketing options HRM policy Possible investment plans Pedro as main decision maker Relating strategic planning and management to the position of PV in the market overall and with regard to these topics 	
	 Application: Current problems faced by PV Future possibilities being considered in the case The economic and market conditions faced by PV 	
	 Evaluation: Assessing the importance of the processes for PV in the situation it is facing Highlighting the possible order of priorities and how the processes could assist in setting and achieving objectives The extent to which Pedro needs to address these processes. 	

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