

## BUSINESS

9609/33 October/November 2017

Paper 3 Case Study MARK SCHEME Maximum Mark: 100

Published

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Question			Answer		Marks
1			NFP of using critica Refer to Appendix :	Il path analysis when planning 2 in your answer.	10
	Level	Knowledge 3 marks	Application 3 marks	Analysis 5 marks	
	2	3 marks Good knowledge of CPA	3 marks Good application to NFP	4–5 marks Good use of theory and/or reasoned argument to explain benefits of using CPA	
	1	1–2 marks Some knowledge shown of CPA	1–2 marks Some application to NFP	1–3 marks Some use of theory and/or reasoned argument to explain benefits of using CPA	
	0		No creditable	answer	
	Examin	er Note: No rewa	rd for disadvantage/\	weaknesses of PA	
	Knowle • • • •	Definition: Plannin ESTs etc. Helps to ensure a Can plan to meet	all activities are taker deadlines p project by identifyir	g activities, durations, LFTs, n in correct sequential order ng simultaneous activities	
	Applica				
	•	installing machine Helps to speed up test recipes and r Can plan to meet is 13 weeks Critical activities of Can help to ensu	ery after it has been p project by identifyin refurbish factory deadlines e.g. 4 mo e.g. 3,6,7,10,11 re deadlines are met 2 weeks, time must	n in correct sequential order e.g. delivered. ng simultaneous activities e.g. onths before the Food Fair as CP t e.g. if machine installation be saved on subsequent critical	
	Analysi • •	Knowledge of floa identify activities critical activities to Use of CPA can be costs as resource Planning will redu	that can be delayed o ensure that deadlir nelp identify when re es not idle waiting to uce risk of mistakes a	sources are need and thus cut	

Question			A	Inswer		Marks	
2(a)				tion provided. Calculate e dairy farm was closed.	the likely	6	
	Based o	on full costing					
		Dairy farm lat Overhead cos week = 10 ce Total full cost Cost of buying	sts allocated to nts per litre per litre = 24 c g in milk = 20 c	litre = 6 cents [9000/150 00 farm = 0.05 x £15.6m/52 = cents	= \$15 000 per	1 2 3 4	
	•		• •	al profit] = $6000 \times 2000 \times 52 = 33$		5	
	Margina	al/contributio	n costing				
	• • •	Variable cost Thus, extra co So contributio	ontribution of d	airy relative to buying milk airy relative to buying milk on is really \$9000 per wee 8 000 per year if the farm/r	k	2 4 5 6	
2(b)			P should closen nformation pr	e the dairy farm, using yo ovided.	our answer	12	
	Level	Knowledge 2 marks	Application 2 marks	Analysis 4 marks	Evaluation 4 marks		
	2	2 marks Good knowledge shown	2 marks Factors well applied to NFP	3–4 marks Good use of theory and/or reasoned argument to explain points for and against closure	3–4 marks Good judgement shown		
	1	1 mark Some knowledge shown	1 mark Some application of factors to NFP	1–2 marks Some use of theory and/or reasoned argument	1–2 marks Some judgement shown		
	0 No creditable answer						
	Examin OFR ap		y use 2(a) or o	ther information limit to L1	AN and EVAL		

Question	Answer	Marks
2(b)	<ul> <li>Knowledge Factors relevant to the decision <ul> <li>Contribution costing</li> <li>Full costing</li> <li>Profit</li> <li>Permanence of fixed costs</li> <li>Issue of suppliers</li> <li>Impact on brand</li> </ul> </li> <li>Application <ul> <li>Will market price stay at 20 cents for long?</li> <li>Other factors: Quality of milk bought in</li> <li>Positive contribution made of \$9000 per week</li> <li>OFR allowed e.g. if full costing was used – but credit could be given also for questioning this method later in the answer</li> <li>Who pays for transport of milk bought in?</li> <li>Can farm be put to alternate use quickly? Do NFP need that much additional factory capacity?</li> <li>Chances of planning permission (in beautiful area)?</li> <li>How much is the land worth?</li> </ul> </li> <li>Analysis <ul> <li>Analysis of marginal costing approach to making the decision. If farm is closed then the contribution will be lost, therefore there will be a reduction in the profit of the business</li> <li>If brand image is damaged this may lead to a loss of sales in the future and therefore lower profit</li> <li>Should not be closed on short term financial grounds as profit would fall (assuming fixed costs still have to be paid)</li> <li>OR Should be closed as profit will increase if the farm is closed (assuming fixed costs are out)</li> </ul> </li> </ul>	
	<ul> <li>(assuming fixed costs are cut).</li> <li>How have fixed costs been allocated? Is 5% appropriate given the proportion of total workforce on the farm?</li> </ul>	
	<ul> <li>Evaluation</li> <li>Marginal costing should really be used as there is no certainty that the allocation of fixed costs to the farm is accurate or that these fixed costs will cease once the dairy farm is closed</li> <li>Weighing up the factors / Making a justified final conclusion</li> <li>Depends if any of the fixed costs are clearly specific to the farm</li> <li>Questioning cost data/costing method used/justifying need for other data</li> </ul>	

Question	Answer					
3	Evaluat into cou		risks and rewa	ards to NFP of marke	t development	16
	Level	Knowledge 2 marks	Application 2 marks	Analysis 6 marks	Evaluation 6 marks	
	2	2 marks Good knowledge shown	2 marks Good application to NFP	4–6 marks Good use of theory and/or reasoned argument	4–6 marks Good judgement shown	
	1	1 mark Some knowledge shown	1 mark Some application to NFP	1–3 marks Some use of theory and/or reasoned argument	1–3 marks Some judgement shown	
	0		No cre	ditable answer		
	Knowle • •	International ma	•	g products to another existing products in a	•	
	Applica • • • • • •	Different consur desserts popula	r in Y? cultures – man e accepted in t head r economic gro tion ent – no local l	wth		

Question	Answer	Marks
3	<ul> <li>Analysis</li> <li>Different consumer tastes (not just an ethic factor) – are milk based desserts popular in Y? Essential to undertake more rigorous market research into Y's food market</li> <li>Risks: different cultures – many more ethic groups in Y so will NFP's food products be accepted in that country e.g. meat products might contain beef or meat from animals not killed in a certain way. Could cause major problems with ethic/religious groups which would then make it hard to get established</li> <li>Lower GDP per head – lower incomes means consumers will not be buying more expensive food products – NFP will have to take this into account with its pricing and promotion decisions</li> <li>Rewards: higher economic growth – as consumer incomes increase, the demand for income elastic food products (processed foods rather than raw food) might increase</li> <li>Younger population – likely to be an increasing population which means a potentially growing market</li> <li>Not using an agent – no local knowledge; contacts with Y's shops will have to be built up by NFP's employees and this will take time</li> <li>Few competitors – NFP may be able to establish a high market share quickly and will have less price competition.</li> </ul>	
	<ul> <li>Evaluation: <ul> <li>Are rewards potentially greater than risks? In which case this is a wise decision</li> <li>Are risks greater than rewards? In which case this international market should not go ahead or more research should be undertaken or local agents used to provide local knowledge/contacts.</li> <li>Justifies case for additional information before final assessment can be made</li> </ul></li></ul>	

Question			Ar	nswer			Marks
4(a)(i)	Refer to Table 3 and Appendix 1. Calculate for the first 6 years of the frozen food project.						2
	discounted net cash flows						
	Year		low x discoun (\$m)	t factor		ted cash flow (\$m)	
	0		–12 x 1			-12	
	1		4 x 0.91			3.64	
	2		4 x 0.83			3.32	
	3		4 x 0.75			3	
	4		5 x 0.68			3.4	
	5		5 x 0.62			3.1	
	6		5 x 0.56			2.8	
		<ul> <li>All correct</li> <li>some idea</li> </ul>					
4(a)(ii)	discour	ited payback p	period				3
	• • If actual	3 years 7.2 mc 3 years 7 mon Some attempt net cash flows	ths	allow 1 ma	ark	3 marks 2 marks 1 mark OFR	
4(a)(iii)	net pres	sent value					3
	•	NPV = 7.26 Good attempt Some idea	e.g. \$19.26m			3 marks 2 marks 1 mark OFR	
4(b)	provide	whether you d are sufficien l with the frozo	it to enable N	P's direct			1(
	Level	Knowledge 2 marks	Application 2 marks		alysis narks	Evaluation 4 marks	
	2	2 marks Good knowledge shown	2 marks Factors well applied to NFP	3–4 marks Good use and/or rea argument	of theory asoned	3–4 marks Good judgement shown	
	1	1 mark Some knowledge shown	1 mark Some application of factors to NFP	1–2 marks Some use theory and reasoned	s e of	1–2 marks Some judgement shown	
	0		Noc	reditable ar	nswer	<u>.</u>	

Question	Answer	Marks
4(b)	Examiner Note: If only use 4(a) or other information limit to L1 AN and EVAL	
	<ul> <li>Knowledge <ul> <li>Investment appraisal results are an important quantitative technique for selecting projects e.g. against each other or against criteria benchmarks</li> <li>Discounted payback allows today's money values of net cash flows to be compared with initial capital cost.</li> <li>Other considerations: <ul> <li>Decision tree analysis</li> <li>Availability of finance</li> <li>Importance of CPA</li> </ul> </li> </ul></li></ul>	
	<ul> <li>Analysis</li> <li>DCF 3 years 7.2 months could be considered quick enough in a relatively slow moving industry</li> <li>NPV positive which shows that in today/s money values the project will be profitable over a 6 year period</li> <li>ARR is above criterion rate so the project satisfies the NFP minimum for an investment</li> </ul>	
	<ul> <li>Analysis <ul> <li>All results are good – qualitative factors might be positive – some economic growth would increase demand for quality frozen food – if income elastic.</li> <li>Source of cash flow forecasts not explained and how reliable is the CPA for completion time etc.?</li> <li>Could industrial relations problems upset the project and make it less successful? More information about union membership etc.</li> <li>Break-even would have been useful – how big is annual safety margin to allow for lower than expected forecast sales?</li> <li>Decision tree analysis would have allowed a consideration of risks involved</li> <li>Qualitative factors include customer taste tests – have these been undertaken and did they like the possible menus?</li> <li>More detailed market research needed to see what type of products and what type of consumers should be aimed for</li> </ul> </li> </ul>	
	<ul> <li>Evaluation:</li> <li>Recognition of benefits of data provided and investment appraisal results balanced against limitations and gaps</li> <li>Overall: additional data needs to be explained and justified and overall conclusion drawn regarding sufficiency of data</li> </ul>	

Question		Answer						
5	Evaluate the extent to which the future success of NFP's operations depends on effective workforce planning.							
	Level	Knowledge 2 marks	Application 2 marks	Analysis 6 marks	Evaluation 6 marks			
	2	2 marks Good knowledge shown of workforce planning	2 marks Good application to NFP	4–6 marks Good use of theory and/or reasoned argument	4–6 marks Good judgement shown on importance			
	1	1 mark Some knowledge shown of workforce planning	1 mark Some application to NFP	1–3 marks Some use of theory and/or reasoned argument	1–3 marks Some judgement shown on importance			
	0		No creditat	ole answer				
	Knowle Applica	Definition of workfor Workforce planning the right skills are i and long-term orga tion NFP's operations w – Closure of farm – Takeover of VF new machines.	y helps to ensure n the right place nisational object vill require carefu – workers re-de factory – job los oject – new work ained?	ul workforce planning: eployed? sses and/or retraining ers needed? New ski	liver short- to operate			
	Analysi • • • Evaluat	If no workforce plan hold back production employees may be Alternatively, excess of VF] which raises New skills needed not retrained then p ion:	on and limit NFP over worked; ke ss labour might to costs and agair – if IT workers a production/produ	ur shortages can occu 's ability to increase p ey employees may no be employed [e.g. afte n limits ability to increa re not retained or if VI activity will be low.	rofits; t be replaced. r integration ase profits <sup>-</sup> workers are			
	•	Future success als risks of product and losses External factors min rates could make th	o driven by care d market develop ght be just as im he frozen food p tyle could also b	e a real issue influence	nt lead to			

	E	Both Q6 and Q	7 use this marking g	ırid:
Level	Knowledge 3 marks	Application 3 marks	Analysis 4 marks	Evaluation 10 marks
3				7–10 marks Excellent judgement shown e.g. in both conclusion and arguments used
2	3 marks Good knowledge shown e.g. Q6: 2 SA techniques	3 marks Good application to NFP	3–4 marks Good use of theory and/or reasoned argument	4–6 marks Good evaluation – e.g. strong conclusion but arguments used contain little judgement
1	1–2 marks Some knowledge shown e.g. Q6: just one SA technique	1–2 marks Some application to NFP	1–2 marks Some use of theory and/or reasoned argument	1–3 marks Some judgement shown e.g. attempted conclusion
0		N	o creditable answer	

Question	Answer	Marks
6	Evaluate <u>two</u> strategic analysis techniques that NFP should use when considering future strategic options.	20
	Examiner Note: If only one strategic analysis technique limit to L1 AN and EVAL	
	<ul> <li>Knowledge</li> <li>Strategic analysis is analysing the business and the environment in which it operates before choosing between strategic options</li> <li>SWOT – will help to identify internal strengths) and internal weaknesses and external threats and opportunities</li> <li>PEST (PESTLE) – external environment also important</li> <li>Establishing core competencies</li> <li>Porters 5 forces – competitive rivalry</li> <li>Boston Matrix – for analysis of product portfolio linked to market share and market growth</li> </ul>	
	<ul> <li>Application <ul> <li>SWOT – will help to identify internal strengths (brand image, quality products) and internal weaknesses (trying to do too much at same time?) and external threats (many competitors in country X) and opportunities (fewer competitors in country Y)</li> <li>PEST (PESTLE) – e.g. ageing population; relatively slow economic growth and technology introducing new machines</li> <li>Establishing core competencies; food processing</li> <li>Porters 5 forces – competitive rivalry: large number of competitors in country X; small producers can enter food processing market with limited capital</li> <li>Boston Matrix – little information available apart from large % of food products are processed products in country X</li> </ul> </li> </ul>	
	<ul> <li>Analysis</li> <li>PEST (PESTLE): Ageing population important for product portfolio choice and workforce planning; relatively slow economic growth limits expansion of many businesses if they focus just on domestic market and technology introducing new machines requires IT skills and problems of retention of staff in past</li> <li>Establishing core competencies – NFP seem to have (wisely?) not considered moving away from food processing and possible sale of farm suggest that food processing is more significant than food production. Sian has vision of making NFP one of largest food processing companies in country X. Link could be made to takeover of VF.</li> <li>Boston Matrix: is total market expanding or not? Need data on individual food markets – e.g. is market for frozen food growing or not?</li> </ul>	

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Question	Answer	Marks
6	<ul> <li>Evaluation: <ul> <li>Likely to be in the form of justifying why one or more methods of strategic analysis is important in this case – using evidence from the case.</li> <li>Answers might explain why one particular aspect of analysing the business or its environment is more important than others.</li> <li>All forms of strategic analysis have problems e.g. can be subjective and may become outdated quickly</li> <li>The specific limitations of the SA techniques selected should be assessed and, possibly, compared</li> <li>Boston Matrix of limited use by itself</li> </ul> </li> </ul>	

Question	Answer	Marks
7	Discuss how NFP's senior management could effectively implement its strategy of integrating the VF business into NFP.	20
	<ul> <li>Knowledge <ul> <li>Strategic implementation is putting strategy into effect to achieve organisation's aims</li> <li>Reference to techniques that could be used e.g.</li> <li>Project champions</li> <li>Contingency planning</li> <li>Training</li> <li>Communication</li> <li>Involvement of staff</li> <li>Resources</li> </ul> </li> </ul>	
	<ul> <li>Application <ul> <li>Issues include: poor communication so far with employees – will this increase or reduce the risk of industrial disputes</li> <li>Employees could lose jobs or need to be retained – resistance to these changes is likely – how could NFP reduce resistance and make employees positive towards change? Communication? Shared vision? Methods of motivation to encourage cooperation?</li> <li>Culture change needed – away from "good value" and "low cost" to NFPs good image – need to change senior management and ensure an ethical code is adopted and observed?</li> <li>Dealing with future crises such as food contamination will be an essential part of this assimilation.</li> </ul> </li> </ul>	
	<ul> <li>Analysis</li> <li>NFP need to assimilate VF into its organisation as soon as possible to avoid conflicts/disputes and low production levels in order to achieve aim of making higher profits</li> <li>Need to update factory and install new machines – is CPA forecast correct in terms of timing?</li> </ul>	
	<ul> <li>Evaluation: <ul> <li>Likely to be focused on the "most important" factors that will determine whether VF can be incorporated quickly into NFP – need for justification of this based on case evidence.</li> <li>Sian's leadership style might be a serious problem – lack of openness and willingness to allow participation are not good signs and are the opposite of most "change management" techniques.</li> </ul> </li> </ul>	