

## BUSINESS

9609/33 October/November 2017

Paper 3 Case Study MARK SCHEME Maximum Mark: 100

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[Turn over

Question			Answer		Marks	
1	-		NFP of using critica Refer to Appendix 2	l 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		
	Examiner Note: No reward 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	Helps to ensure a installing machine Helps to speed up test recipes and r Can plan to meet is 13 weeks Critical activities e Can help to ensure	ery after it has been of project by identifyin efurbish 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. nths before the Food Fair as CP e.g. if machine installation be saved on subsequent critical		
	Analysi	Knowledge of floa identify activities to critical activities to Use of CPA can be costs as resource Planning will redu	that can be delayed o ensure that deadlir help identify when re as not idle waiting to uce risk of mistakes a	sources are need and thus cut		

Question			A	nswer			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	sts allocated to	litre = 6 cents [9000/150 00 farm = 0.05 x £15.6m/52 = cents	-	1 2 3	
			• •	= 150 000 x \$0.04 = \$6000 al profit] = \$6000 x 52 = \$3		4 5	
	Margina	al/contributio	01	ai pronij – 40000 x 02 – 40	12 000	J	
		Variable cost Thus, extra co So contributio	ontribution of d	8. = 0.08 + 0.06 = 0.14 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 close 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)	Knowledge Factors relevant to the decision Contribution costing Full costing Profit Permanence of fixed costs Issue of suppliers Impact on brand	
	ApplicationWill market price stay at 20 cents for long? Other factors: Quality of milk bought in Positive contribution made of \$9000 per week OFR allowed e.g. if full costing was used – but credit could be given also for questioning this method later in the answer Who pays for transport of milk bought in? Can farm be put to alternate use quickly? Do NFP need that much additional factory capacity? Chances of planning permission (in beautiful area)? How much is the land worth?	
	<ul> <li>Analysis</li> <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 cut).</li> <li>How have fixed costs been allocated? Is 5% appropriate given the proportion of total workforce on the farm?</li> </ul>	
	Evaluation 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 Weighing up the factors / Making a justified final conclusion Depends if any of the fixed costs are clearly specific to the farm Questioning cost data/costing method used/justifying need for other data	

Question			Ans	swer		Marks
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	editable answer		
	Knowle	International ma	-	ig products to another existing products in a i	•	
	Applica	Different consul desserts popula	ar in Y? cultures – man e accepted in t head r economic gro ation jent – no local l	owth		

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 Few competitors – NFP may be able to establish a high market share quickly and will have less price competition.</li> </ul>	
	<ul> <li>Evaluation:</li> <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>	

Question			Ar	nswer			Marks
4(a)(i)		Table 3 and A ood project.	Appendix 1. Ca	alculate for	the first 6	years of the	:
	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>		L			
4(a)(ii)	discour	nted payback p	period				
	If actual	3 years 7.2 mo 3 years 7 mon Some attempt net cash flows	ths	allow 1 ma	rk	3 marks 2 marks 1 mark OFR	
4(a)(iii)	net pres	sent value					
		NPV = 7.26 Good attempt Some idea	e.g. \$19.26m			3 marks 2 marks 1 mark OFR	
4(b)	provide	s whether you d are sufficier d with the froz	it to enable N	P's directo			1
	Level	Knowledge 2 marks	Application 2 marks		lysis arks	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	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	of	1–2 marks Some judgement shown	
	0		No c	reditable an	swer	ı	

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

Question		Answer				
5		e the extent to whi s on effective worl		uccess of NFP's ope <sub>I</sub> .	erations	16
	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	Definition of workfor Workforce planning the right skills are in and long-term orga tion NFP's operations w – Closure of farm – Takeover of VF new machines. – Frozen food pro- workers be retri- – Labour turnove	y helps to ensure n the right place nisational object vill require carefu – workers re-de factory – job los oject – new work	ul workforce planning: eployed? sses and/or retraining cers needed? New ski	liver short-	
	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 k 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.	orofits; t be replaced. er integration ase profits F workers are	
		have clear aim to ra Future success als risks of product and losses External factors min rates could make th	aise profits o driven by care d market develop ght be just as im ne frozen food p tyle could also b	ful/effective strategic oment expansion migl portant e.g. increase roject unprofitable. be a real issue influence	choice e.g. ht lead to in interest	

Questio		Both Q6 and Q	Answer 7 use this marking g		Mark
Level	Knowledge 3 marks	Application 3 marks	Analysis 4 marks	Evaluation 10 marks	
3				7–10 marks Excellent judgement show 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. str conclusion but arguments used contain little judgeme	•
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 attempted conclusion	e.g.
0		N	o creditable answer	1	

Question	Answer	Marks
6	Evaluate <u>two</u> strategic analysis techniques that NFP should use when considering future strategic options.	20
	<b>Examiner Note:</b> If only <b>one</b> strategic analysis technique limit to L1 AN and EVAL	
	KnowledgeStrategic analysis is analysing the business and the environment in which it operates before choosing between strategic options SWOT – will help to identify internal strengths) and internal weaknesses and external threats and opportunities PEST (PESTLE) – external environment also important Establishing core competencies Porters 5 forces – competitive rivalry Boston Matrix – for analysis of product portfolio linked to market share and market growth	
	ApplicationSWOT – 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)PEST (PESTLE) – e.g. ageing population; relatively slow economic growth and technology introducing new machinesEstablishing core competencies; food processing Porters 5 forces – competitive rivalry: large number of competitors in country X; small producers can enter food processing market with limited capital Boston Matrix – little information available apart from large % of food products are processed products in country X	
	<ul> <li>Analysis         <ul> <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             <ul></ul></li></ul></li></ul>	

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Question	Answer	Marks
6	<ul> <li>Evaluation:</li> <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 Boston Matrix of limited use by itself</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</li> <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>	
	Application Issues include: poor communication so far with employees – will this increase or reduce the risk of industrial disputes 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? 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? Dealing with future crises such as food contamination will be an essential part of this assimilation.	
	Analysis 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 Need to update factory and install new machines – is CPA forecast correct in terms of timing?	
	Evaluation: 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. 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.	