

ACCOUNTING**9706/32**

Paper 3 Structured Questions

October/November 2016

MARK SCHEME

Maximum Mark: 150

Published

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1 (a) Responses could include:

Donation

Voluntary Basis
From Members and non-members
Irregular payment
Can be earmarked for specific purpose e.g.
Buy new equipment
Can be capitalised

Member subscription

Member's obligation
From members only
Regular payment, i.e. monthly or annually
For daily running of the organisation e.g.
Paying for day to day expenses
Cannot be capitalised

(1 mark) × 3 differences

[3]

(b)

Sunshine Social Club
Shop Trading Account for year ended 31 December 2015

	\$	\$	
Gift shop takings		12 420	
Inventory at 1 Jan 2015	2 400		
Purchases W1	84 300		(2)*
Inventory at 31 December 2015	<u>18 600</u>		
Cost of sales		<u>89 700</u>	(1)OF
Gross profit		34 500	(1)OF
Shopkeeper wages W2		23 750	(2)
Depreciation of shop equipment W3		11 800	(2)
Insurance W4		2 300	(3)
Water and electricity W5		<u>5 640</u>	(3)
Loss		<u>(8 990)</u>	(1)OF

[15]

Workings

W1 Gift shop purchases	$\$74\,500 + (\$64\,300 - \$54\,500)(1) = \$84\,300$	(1)OF
W2 Shopkeeper wages	$\$30\,400 - (\$3\,450 + \$3\,200)(1) = \$23\,750$	(1)OF
W3 Depreciation of shop equipment	$(\$55\,000 + \$4\,000)(1) \times 20\% = \$11\,800$	(1)OF
W4 Insurance	$\$9\,460 + (\$1\,400)(1) - \$1\,660(1) = \$9\,200$	
Allocated to gift shop	$\$9\,200 \times 25\% = \$2\,300$	(1)OF
W5 Water and electricity	$\$14\,800 - \$2\,700(1) + \$2\,000(1) = \$14\,100$	
Allocated to gift shop	$\$14\,100 \times 40\% = \$5\,640$	(1)OF

(c) Responses could include:

sell goods to non-members **(1)** to increase revenue **(1)**
reduce (stop) discount to members **(1)** e.g. sell goods at market price **(1)**
reduce expenses **(1)** e.g. reduce staff wages **(1)** **or** find cheaper suppliers **(1)**
review the fairness of the allocation of expenses **(1)** and reduce the proportion of expenses allocated to gift shop **(1)**

Accept any reasonable alternative.

(1 mark for point + 1 mark for development) × 2 ways

[4]

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(d) $(\$48\,000 + \$36\,000)(1) - \$68\,000 (1) \times 50\% = \$8000 (1)$ **OF** [3]

[Total: 25]

2 (a) (i)

Alpha Limited
Manufacturing Account for the year ended 30 April 2016

	\$		\$	
Raw materials at 1 May 2015			1 000	
Purchases of raw materials	12 200			
Carriage inwards	<u>1 100</u>	(1)	<u>13 300</u>	
			14 300	
Purchases of raw materials			<u>3 100</u>	
Cost of raw materials consumed			11 200	(1) OF
Direct labour			<u>17 500</u>	
Prime cost			28 700	(1) OF
Factory rent	6 000	(1)		
Supervisor's salary	8 200	(1)		
Factory overheads	<u>9 700</u>		<u>23 900</u>	
Cost of production			52 600	(1) OF
Factory profit			<u>13 150</u>	(1) OF
Transfer price			<u>65 750</u>	(1) OF

[8]

(ii)

Alpha Limited
Income Statement for the year ended 30 April 2016

	\$		\$	
Revenue			95 000	(1)
Transfer from production			65 750	(1) OF
Gross profit			29 250	(1) OF
Factory profit			13 150	(1) OF
Office rent	2 000	(1)		
Office salaries	8 500	(1)		
General office expenses	<u>10 000</u>		<u>20 500</u>	
Profit for the year			<u>21 900</u>	(1) OF

[7]

(b)

	\$	
Profit for year ended 30 April 2016	21 900	(1)
Decrease in sales revenue	(9 500)	
Increase in inventory W1	6 575	(1) OF
Decrease in general office expenses	500	(1)
Provision for unrealised profit W2	<u>(1 315)</u>	(1) OF
Expected profit under option 1	<u>18 160</u>	(1) OF

W1 increase in inventory is 10% of transfer from production

W2 $6575 \times 25/125 = 1315$

$(6575 - 1315) = 5260$ (2)

[5]

(c) Option 1

Has the higher profit. (1) OF

It may be advantageous to keep an inventory of finished goods to avoid running out of inventory. (1)

Option 1 avoids damaging the relationship with suppliers. (1)

Option 1 avoids difficulties in reducing workers' hours/redundancies. (1)

If production continues to exceed demand there would be a large build up of inventory. (1)

Option 2

Has lower profit (1)OF

This fall in demand may be the start of a long term trend (1)

Avoids inventory holding costs eg insurance. (1)

Avoids the risk of inventory becoming obsolete/damaged. (1)

Spare capacity will be available (1)

Fixed costs will be spread over fewer units so cost per unit rises (1)

Final decision, option 1 or option 2 (1)

[1 mark for decision + max 4 for comments]

[5]

[Total: 25]

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3 (a)

FLF Limited
Statement of Financial Position at 1 July 2016

Assets		\$	
Non-current assets			
Intangible (1) – Goodwill (440 000 – 328 500) (1)		111,500	10F
Tangible			
Premises (1 000 000 (1) + 280 000 (1))		1 280,000	
Equipment (190 900 + 14 600)		205,500	(1)
Vehicles		81,500*	
		<u>1 678 500</u>	
Current assets			
Inventory (103 600 + 29 500)		133,100	(1)
Trade and other receivables (99 400 + 17 200 – 1200)		115,400	(1)
		<u>248 500</u>	
Total assets		<u>1 927 000</u>	
Equity and liabilities			
Equity			
900 000 ordinary shares of \$1 each (800 000 + 100 000)		900 000	(1)
Share premium		150 000	(1)
Retained earnings		322 500	(1)
General reserve		80 000	
Revaluation reserve		184 900	(1)
Total equity		<u>1 637 400</u>	
Non-current liabilities			
8% debentures (2025)		<u>120 000</u>	(1)
Current liabilities			
Trade and other payables		106,700	*(1)
Cash and cash equivalents 70 000 (1) – 7100 (1)		<u>62 900</u>	
		<u>169 600</u>	
Total equity and liabilities		<u>1 927 000</u>	

[16]

(b) Annual profit with the manager could be assumed to be $41\,600 - 20\,000 = \$21\,600$ (1)

Annual income after sales would be:

		\$	
Debenture interest	$120\,000 \times 0.08$	9 600	(1)
Dividends	$250\,000 \times 0.03$	7 500	(1)
Bank interest	$(70\,000 - 2000 (1)) \times 0.04$	<u>2 720</u>	(1)OF
Total		<u>19 820</u>	

The nephew is right that the profit with the manager appears to be higher. (1)
 But he may not have enough experience to do a good job. (1)
 The profit might have fallen without Husna's involvement. (1)
 Husna has less risk with her investment being in a larger business. (1)
 Both options give a return lower than the previous level of drawings. (1)
 Husna has lost the opportunity for further capital gains on her premises. (1)
 Husna has gained an opportunity for capital gains on the value of her shares. (1)
 Husna's shares might fall in value. (1)

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Dividend (1) / debenture interest (1) from FLF Limited is not guaranteed, so future income is at risk (1)

Husana has shareholder rights but not management involvement (1)

Husana does not have the worries of the day to day running of the business (1)

Decision- Husana was right / wrong to sell the business (1)

[5 for calculations, max 3 for comments and 1 for decision] **[9]**

[Total: 25]

- 4 (a) Checking financial data (1). Examining accounts (1) and systems (1). Reviewing accuracy of records (1) and reports (1). Reviewing security of assets (1). Check trade and other receivables/payables (1). Attend stock counts (1) Recommending changes after review (1). Ensuring procedures are adhered to (1). Produce audit report (1). Comment on true and fair view (1). Independent check (1). Ensure company directors comply with international accounting standards and company law (1). Verify that the records do not have any material errors (1). **Max 5** **[5]**
- (b) A qualified audit report is provided when there is a misstatement in a balance (1) or when the auditor is unable to gather evidence to report truthfully on a balance (1). The accounts have not been fairly presented (1). **Max 2** **[2]**
- (c) IAS 2 (1) requires inventory to be valued at the lower of cost and net realisable value (1). Net realisable value is the selling price less the costs to make the goods saleable and reach their point of sale (1).
The inventory has been valued at cost (1) of \$1 million but the net realisable value is only \$750 000 (1) – \$200 000 (1) = \$550 000 (1). The value of the inventory must therefore be reduced by \$450 000 (1). This is in accordance with the application of the prudence concept (1) to avoid overstatement of assets / profits (1).
This must be reflected in the accounts by charging this reduction to the income statement which will reduce profit (1) and reducing the value of the inventory in the statement of financial position (1) for them to show a true and fair view (1). **Max 8** **[8]**
- (d) True and fair view means that the statements are free from misstatements (1) and faithfully represent the financial performance and position of Soames Limited (1).
The shareholders of Soames Limited will have confidence (1) since the report will confirm the accuracy of the statements (1) and the professional opinion should be trusted due to the expertise (1) and independence (1) of the auditor.
Share prices might increase (1). The shareholders may be encouraged to invest more / not sell their shares (1)
Lenders may be more willing to lend to the business which will improve potential profits for the shareholders (1).
- May also present balanced argument:
Auditors do not prepare the accounts (1) / correct errors (1).
Report does not provide complete picture of business performance (1)
Non-financial factors not included (1) **Max 6** **[6]**

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- (e) Aamir should not have signed the audit report (1) as he is related to a director and therefore not independent (1) and does not have the required expertise as he is unqualified (1). The report is therefore invalid/not reliable (1) and the directors must re-appoint a qualified, independent auditor (1). **Max 4** [4]

[Total: 25]

- 5 (a) Activity Based Costing (1) [1]

- (b) $79\,000 / (50\,000) (1) = \1.58 per unit (1) **OF** [2]

(c)

	\$ per unit		
Machine set up costs	0.04	(2)	W1
Production quality inspections	0.10	(3)	W2
Machine stoppage costs	0.08	(3)	W3
Machine maintenance	0.16	(2)	W4
Machine running costs	<u>1.20</u>	(2)	W5
Total overhead cost per unit	<u>1.58</u>		

W1 $2000 / (5 \times 50) = \$8 (1)$ per day / 200 = \$0.04 (1) **OF**

W2 $5000 / (50) = \$100.00 (1)$ per week / 5 = \$20 (1) **OF** per day / 200 = \$0.10 (1) **OF**

W3 $4000 / 12.5 = \$320$ per 4 weeks / 4 = \$80 (1) per week / 5 = \$16 (1) per day / 200 = \$0.08 (1) **OF**

W4 $8000 / (50 \times 5) = \$32 (1)$ per day / 200 = \$0.16 (1) **OF**

W5 $60\,000 / (50 \times 5) = \$240 (1)$ per day / 200 = \$1.20 (1) **OF**

OR

W1 $(2000 / 79\,000 \times \$1.58) (1) = \$0.04 (1) \text{ OF}$

W2 $(5000 (1) / 79\,000 \times \$1.58) (1) = \$0.10 (1) \text{ OF}$

W3 $(4000 (1) / 79\,000 \times \$1.58) (1) = \$0.08 (1) \text{ OF}$

W4 $(8000 / 79\,000 \times \$1.58) (1) = \$0.16 (1) \text{ OF}$

W5 $(60\,000 / 79\,000 \times \$1.58) (1) = \$1.20 (1) \text{ OF}$

OR

W1 $(2000 / 50\,000) (1) = \$0.04 (1) \text{ OF}$

W2 $(5000 (1) / 50\,000) (1) = \$0.10 (1) \text{ OF}$

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W3 (4000 (1) / 50 000) (1) = \$0.08 (1) **OF**

W4 (8000 / 50 000) (1) = \$0.16 (1) **OF**

W5 (60 000 / 50 000) (1) = \$1.20 (1) **OF**

[12]

(d) The benefits of ABC

- Avoids apportioning overheads using a basis that may not be relevant. e.g. machine hours for administration costs (1)
- More realistic / fair (1)
- Considers batch sizes which are ignored by absorption costing. (1)
- It charges each product with an accurate cost based on its use of an activity (1). (cost driver) (1)
- If the activity(cost driver) changes then the relevant effect on the cost can be assessed so costs are controlled (1). eg how much will costs increase if there is another batch run? (1)
- Helps to set a selling price (1)
- Expensive costs may be outsourced (1)

Drawbacks

- ABC is often of little benefit if there is only one product (1) because the overhead cost per unit will be the same. (1)
 - There are still cost pools that are not caused by one particular cost driver (1) but by several e.g. marketing (1)
 - This method may be time consuming (1) and require a specialist (1) to collect the data, which will be more expensive (1)
 - The costs for implementing such a system for a small business often outweigh the benefits (1)
 - The level of accuracy may be immaterial for management decisions (1)
- Decision – Samir should/should not ask for this analysis (1)

(1) decision + **Max 9** for benefits and drawbacks

[10]

[Total: 25]

- 6 (a) (i)** A cash budget deals with the future whilst a statement of cash flows deals with historic data (1).
 A cash budget does not deal with non-cash items whereas a statement of cash flows does, e.g. depreciation (1)
 A cash budget is an internal document whilst a statement of cash flows is published. (1)
Max (1) [1]
- (ii)** Identify and solve cash flow problems (1). E.g. avoid overdrafts
 Identify possible investment opportunities for surplus cash (1).
 Control of cash (1)
 Plan timing of expenditure (1)
 Co-ordination and communication of departmental cash needs (1)
 Motivates staff to achieve departmental objectives (1) **Max 2** [2]

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(b) (i) and (ii)

	Sales (i) \$		Cash discount (ii) \$	
January	60 000	(1)	1500	(1)
February	55 000	(1)	1375	(1)
March	65 000	(1)	1625	(1)
		[3]		[3]

(iii) Rate of cash discount 5% (1)

[1]

(c)

Slanting Stores Limited

Trade receivables budget for the 3 months ended 31 March 2017

	January \$		February \$		March \$	
Opening balance	40 000	(1)	30 000	(1) OF	27 500	(1) OF
Sales	<u>60 000</u>		<u>55 000</u>		<u>65 000</u>	(1) OF
	<u>100 000</u>		<u>85 000</u>		<u>92 500</u>	
Receipts						
Same month	(28 500)		(26 125)		(30 875)	(1) all
Discount allowed	(1 500)		(1 375)		(1 625)	(1) OF all
Second month	<u>(40 000)</u>		<u>(30 000)</u>		<u>(27 500)</u>	(1) all
	<u>70 000</u>		<u>57 500</u>		<u>60 000</u>	
Closing balance	<u>30 000</u>		<u>27 500</u>		<u>32 500</u>	(1) OF

[8]

(d) Increase in cash needed = 15 000 (1) + 1600 (1) = \$16 600

Increase in sales needs to be $16\,600 \div 0.95$ (1) $\times 2$ (1) = \$34 948 (1) OF

[5]

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- (e) Pay lower amount of dividend
 Postpone payment of dividend
 Delay purchase of non-current asset
 Use lease instead of buying non-current asset
 Pay for non-current asset in instalments
 Take more credit from suppliers
 Find cheaper supplier
 Reduce cost of sales
 Reduce cash discount
 Reduce credit period offered to customers
 Sell surplus non-current assets
 Sell surplus/obsolete inventory
 Arrange loan/Increase overdraft

Any two × (1 mark)

[2]

[Total: 25]