
ACCOUNTING

9706/32

Paper 3 Structured Questions

October/November 2017

MARK SCHEME

Maximum Mark: 150

Published

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Question	Answer	Marks																																																
1(a)	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 40%;"></th> <th style="width: 20%; text-align: right;">\$</th> <th style="width: 20%;"></th> <th style="width: 20%; text-align: right;">\$</th> </tr> </thead> <tbody> <tr> <td>Revenue</td> <td style="text-align: right;">45 000</td> <td></td> <td></td> </tr> <tr> <td>Cost of sales</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Opening inventory</td> <td style="text-align: right;">825</td> <td style="text-align: right;">(1)</td> <td></td> </tr> <tr> <td>Purchases</td> <td style="text-align: right;">28 700</td> <td style="text-align: right;">(2)</td> <td></td> </tr> <tr> <td></td> <td style="text-align: right;">29 525</td> <td></td> <td></td> </tr> <tr> <td>Closing inventory</td> <td style="text-align: right;"><u>(1 650)</u></td> <td style="text-align: right;">(1 OF)</td> <td style="text-align: right;"><u>(27 875)</u></td> </tr> <tr> <td>Gross profit</td> <td></td> <td></td> <td style="text-align: right;">17 125 (1 OF)</td> </tr> <tr> <td>Deduct:</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Insurance</td> <td style="text-align: right;">3425</td> <td style="text-align: right;">(2)</td> <td></td> </tr> <tr> <td>Electricity</td> <td style="text-align: right;"><u>775</u></td> <td style="text-align: right;">(1)</td> <td style="text-align: right;"><u>(4 200)</u></td> </tr> <tr> <td>Restaurant profit</td> <td></td> <td></td> <td style="text-align: right;"><u>12 925</u> (1 OF)</td> </tr> </tbody> </table> <p>Purchases 28 350 – 1750 (1) + 2100 (1) = 28 700 Insurance (4800 + 950 + 1100) (1) × 50% = 3425 (1OF)</p>		\$		\$	Revenue	45 000			Cost of sales				Opening inventory	825	(1)		Purchases	28 700	(2)			29 525			Closing inventory	<u>(1 650)</u>	(1 OF)	<u>(27 875)</u>	Gross profit			17 125 (1 OF)	Deduct:				Insurance	3425	(2)		Electricity	<u>775</u>	(1)	<u>(4 200)</u>	Restaurant profit			<u>12 925</u> (1 OF)	10
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1(b)(i)	<p>Gross margin = $17\,125 / 45\,000 = 38.06\%$ (1OF) Difference = $45.00 - 38.06 = 6.94\%$ (1OF)</p>	2																																																
1(b)(ii)	<p>Consider market (1) – provide higher quality food (1) to appeal to target market. (1) Seek cheaper suppliers / seek discounts from suppliers / buy in bulk (1) to reduce cost of sales. (1) Increase the prices for items served in the restaurant. (1) Should earn higher revenue. (1) Reduce food wastages. (1) This should increase the gross margin. (1)</p> <p>2 marks × Max 3 points (1 mark for stating and 1 mark for developing)</p>	6																																																
1(c)	<p>The subscription received is debited to the bank/receipts and payments account and credited to the life membership fund. (1) An amount is transferred annually to the income and expenditure account. (1) The remaining balance in the fund is shown in the statement of financial position. (1)</p> <p>Max 2</p>	2																																																

Question	Answer	Marks
1(d)	Beneficial if live longer than 10 years. (1) Otherwise not beneficial. (1) Does he have funds available to pay \$1000? (1) Saves 'trouble' of renewing every year. (1) Avoids any increases in subscriptions over the period. (1) There may be other benefits for life membership. (1) If he wishes to resign before the ten-year period, he may not get any refund. (1) Decision. (1) Max. 4 + Decision 1	5

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2(a)	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;"></th> <th style="width: 15%; text-align: center;">Ordinary share capital \$000s</th> <th style="width: 15%; text-align: center;">Share premium \$000s</th> <th style="width: 15%; text-align: center;">General reserve \$000s</th> <th style="width: 25%; text-align: center;">Retained earnings \$000s</th> </tr> </thead> <tbody> <tr> <td>At 1 Jan 2016</td> <td style="text-align: center;">1000</td> <td style="text-align: center;">300</td> <td style="text-align: center;">100</td> <td style="text-align: center;">220 (1) for four</td> </tr> <tr> <td>Share issue</td> <td style="text-align: center;">700 (1)</td> <td style="text-align: center;">560 (1)</td> <td></td> <td></td> </tr> <tr> <td>Bonus issue</td> <td style="text-align: center;">510 (1)</td> <td style="text-align: center;">(510) (1)</td> <td></td> <td></td> </tr> <tr> <td>Profit for the year</td> <td></td> <td></td> <td></td> <td style="text-align: center;">195 (3) *W1</td> </tr> <tr> <td>Transfer to general reserve</td> <td></td> <td></td> <td style="text-align: center;">40 (1)</td> <td style="text-align: center;">(40) (1)</td> </tr> <tr> <td>Dividend paid</td> <td></td> <td></td> <td></td> <td style="text-align: center;">(55) (1)</td> </tr> <tr> <td>At 31 Dec 2016</td> <td style="text-align: center; border-top: 1px solid black; border-bottom: 3px double black;">2210</td> <td style="text-align: center; border-top: 1px solid black; border-bottom: 3px double black;">350</td> <td style="text-align: center; border-top: 1px solid black; border-bottom: 3px double black;">140</td> <td style="text-align: center; border-top: 1px solid black; border-bottom: 3px double black;">320 (1 OF) for four</td> </tr> </tbody> </table> <p>*if 288, one mark only W1: 288 – 52 (1) – 41 (1) = 195 (1) OF</p>		Ordinary share capital \$000s	Share premium \$000s	General reserve \$000s	Retained earnings \$000s	At 1 Jan 2016	1000	300	100	220 (1) for four	Share issue	700 (1)	560 (1)			Bonus issue	510 (1)	(510) (1)			Profit for the year				195 (3) *W1	Transfer to general reserve			40 (1)	(40) (1)	Dividend paid				(55) (1)	At 31 Dec 2016	2210	350	140	320 (1 OF) for four	12
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2(b)	It is not included in the statement of financial position/statement of changes in equity, (1) but as a note to the financial statements. (1)	2																																								
2(c)	This is a non-adjusting event (1) as per IAS 10, (1) which is material/significant to the business. (1) Thus it is disclosed in the notes to the financial statements for 2016. (1) It will be recorded in the 2017 financial statements. (1) Max 3	3																																								

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2(d)	<p>The ratio may indeed fall in the short term as non-current assets increase. (1) Once the new factory is established, sales revenue or profit should rise too. (1) The ratio may actually rise in due course. (1) Shareholders are more interested in profits and dividends. (1) The disclosure of the purchase enables users of the financial statements to make informed comparisons. (1) Directors do not need to be greatly concerned. (1)</p> <p>The directors should be concerned (1) as shareholders may sell their shares, (1) which may reduce the market price of their shares. (1) Shareholder confidence may fall. (1) New shareholders may not be attracted to buy shares in the future. (1) The shareholders may dismiss the directors. (1) Decision (1) Justification Max 2 for positive + Max 2 for negative</p>	5
2(e)	<p>It increases the value of non-current assets in the statement of financial position. (1) It increases/creates the revaluation reserve in the statement of financial position. (1) It reduces the accumulated depreciation. (1) It is recorded in the statement of changes in equity. (1) Max 3</p>	3

Question	Answer	Marks
3(a)(i)	<p>Stewardship is the responsibility which managers/directors have for the management of resources (1) within a business on behalf of the owners/shareholders. (1)</p>	2
3(a)(ii)	<p>The directors have responsibility as stewards of the company to report (1) at the AGM (1) to the shareholders on the performance of the company. (1) To maintain proper accounting records. (1) Responsible for the preparation of financial statements. (1) Manage the business on a day to day basis. (1) Safeguard the assets. (1) Max 2</p>	2
3(a)(iii)	<p>External auditors are appointed by the shareholders to carry out an audit, which is a systematic and independent examination (1) of books, accounts, documents and vouchers of an organization, (1) to ascertain how far the financial statements present a true and fair view of the business (1) and comply with IAS/Companies Acts. (1) To prepare an audit report expressing an opinion. (1) Max 2</p>	2

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3(b)(ii)	168 000 × 60% (3/5) = \$100 800 (1OF)	1																																																							
3(c)	<p>Percentage change is $100\,800 - 50\,000$ ($100\,800 - *50\,800$) (1OF) = $50\,800$ (1OF) / $100\,800 = 50.4\%$ (1OF)</p> <p>* $74\,800 - 24\,000$</p>	3																																																							
3(d)	<p>Reasons for closing inventory to be different than as per records:</p> <p>Inventory has been stolen/damaged (1) due to little control. (1)</p> <p>Inventory is obsolete, (1) so has no value in reality but might in the inventory records. (1) Sales have been omitted in the records, (1) i.e. Inventory has been sent out on consignment or a sale or return basis, so not yet sold. (1)</p> <p>Purchases of inventory have been recorded twice, (1) or not all inventory was counted. (1) Sales returns were amended in the records (1) but the purchases returns were not. (1)</p> <p>2 marks × Max 3 points (1 mark for stating and 1 mark for developing)</p>	6																																																							
3(e)	<p>If book value is used, profit and current assets would be overstated (1OF) which is against the prudence concept (1) and does not give a true and fair view. (1) Inventory should be recorded at the lower of cost and net realisable value, (1) in line with IAS2 (1). Therefore the warehouse inventory valuation should be used. (1)</p> <p>1 for decision + max 3 for comments</p>	4																																																							

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4(a)(i)(ii) (iii)(iv)	Income gearing Gearing ratio Dividend cover Price earnings ratio*	235 000 / 1 580 000 or 234 800 / 1 580 000 2 935 000 / (2 935 000 + 4 540 000) 1 345 000 / 325 000	14.87% 14.86% 39.26% 4.14 times 3.44(times)	(1) (1) (1) (2)	5																																																	
*EPS = 1345 / 3000 = 0.45 (1) PE ratio = 1.55 / 0.45 = 3.44 (1OF)																																																						
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4(c)(ii)	<p>Income gearing has increased (1) significantly from 2016 because of extra interest payable on debentures. This is worse (1) for a shareholder. This will reduce profit available to equity holders and therefore also impact other investment ratios. (1) (Max 2)</p> <p>The gearing ratio has also increased (1) because of the debenture issue being a greater increase than the increase in retained earnings. (1) This increases the risk (1) of the company because of the need to pay interest and repay debt. (1) (Max 2)</p> <p>Dividend cover has stayed reasonably stable/increased (1) over the two years – as the profit available for distribution has decreased (1), so have the dividends. (Max 2)</p> <p>The price earnings ratio has decreased (1). This is also a reflection of the market price of a share and the risk attached to it, depending on the market confidence. (1) (Max 2)</p>	8
4(d)	<p>The issue of the debentures had an adverse (1) effect on the income gearing and gearing ratios. The company is now seen to be more risky. (1) The company may be perceived as being less attractive to investors. (1)</p> <p>The company has had to pay additional finance costs. (1) This has reduced profits available to distribute to shareholders. (1) This may have a negative effect on its liquidity. (1)</p> <p>The company has a significant repayment commitment (1) and annual interest payment, (1) for which the directors need to plan if profits fall. (1)</p> <p>Debentures may be secured on the assets of the company (1) which may mean the asset is sold to repay it, if necessary. (1)</p> <p>1 for comment + 1 for development</p> <p>2 marks × Max 2 points (1 mark for stating and 1 mark for developing)</p>	4

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5(a)	Payback does not consider the time value of money, (1) whereas net present value does. (1) Payback calculates the time it takes to cover the initial cost of the investment and does not consider the net cash flow after the payback period. (1) Net present value considers the discounted cash flows for the whole life of the investment. (1)	4																																				
5(b)	Net present value is: <table style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td style="text-align: right;">\$</td> <td></td> </tr> <tr> <td style="text-align: right;">Cost</td> <td></td> <td style="text-align: right;">(55 000.00)</td> </tr> <tr> <td style="text-align: right;">Total present values</td> <td></td> <td style="text-align: right;">55 700.75</td> </tr> <tr> <td style="text-align: right;">Net present value</td> <td style="border-top: 1px solid black;"></td> <td style="text-align: right; border-top: 1px solid black;">700.75 (1)</td> </tr> </table>		\$		Cost		(55 000.00)	Total present values		55 700.75	Net present value		700.75 (1)	1																								
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6(d)	<p>Management decision will result in a cash deficit for March 2018 (1OF). Therefore possibly delay purchase. (1) Review cash budget after March to see if payment can be delayed. (1) Arrange alternative finance, e.g. loan. (1) Will incur interest charges (1) which will affect profit. (1) Ask supplier for more favourable payment terms which don't impact cash flow as much. (1) May have to delay payment to suppliers/expenses, (1) which may affect credit terms or confidence (1) of suppliers.</p> <p>If these issues can be overcome then it may be worth purchasing the new system. (1) Purchase of new system may allow better management of cash flow. (1)</p> <p>Accept any reasonable analysis. (1 mark) for decision + 4 marks for valid discussion points</p>	5																											