



<b>FACULTY/COLLEGE</b>	College of Business and Economics
<b>SCHOOL</b>	Johannesburg Business School
<b>DEPARTMENT</b>	Transport and Supply Chain Management
<b>CAMPUS(ES)</b>	APK
<b>MODULE NAME</b>	Logistics Decision Support Systems
<b>MODULE CODE</b>	LMA8X03
<b>SEMESTER</b>	First
<b>ASSESSMENT OPPORTUNITY, MONTH AND YEAR</b>	Supplementary Assessment Opportunity July 2019

<b>ASSESSMENT DATE</b>	July 2019	<b>SESSION</b>	
<b>ASSESSOR(S)</b>	Mrs AA d' Amato Groenewald		
<b>MODERATOR(S)</b>	Mr W Niemann		
<b>DURATION</b>	3 hours (180 min)	<b>TOTAL MARKS</b>	180

<b>NUMBER OF PAGES OF QUESTION PAPER (Including cover page)</b>	5
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**INFORMATION/INSTRUCTIONS:**


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- This is a closed-book assessment.
  - There are 4 questions.
  - Answer all questions.
  - Read the questions carefully and answer only what is required.
  - Number your answers clearly and correctly as per the question paper.
  - Write neatly and legibly on both sides of the paper in the answer book, starting on the first page.
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You have been appointed the Supply Chain Director of a leading logistics organisation operating predominantly in South Africa – please answer all the following questions in this capacity.

**QUESTION 1****(40 MARKS)**

Critically evaluate Supply Chain Control Towers.

**QUESTION 2****(40 MARKS)**

Critically discuss SCM software and systems within your organisation.

**QUESTION 3****(40 MARKS)**

Discuss electronic procurement including the concept, advantages, types, and uses.

**QUESTION 4****(60 MARKS)**

You have been tasked to complete a logistics audit to be performed for the Only Company.

**This audit MUST be completed using the STRATEGIC PROFIT MODEL TEMPLATES PROVIDED for all sections required. The template must be completed in full where possible.**

The Only Company's financial statements are supplied below and you are required to use the financial data to provide the following (financial leverage @ 1.0):

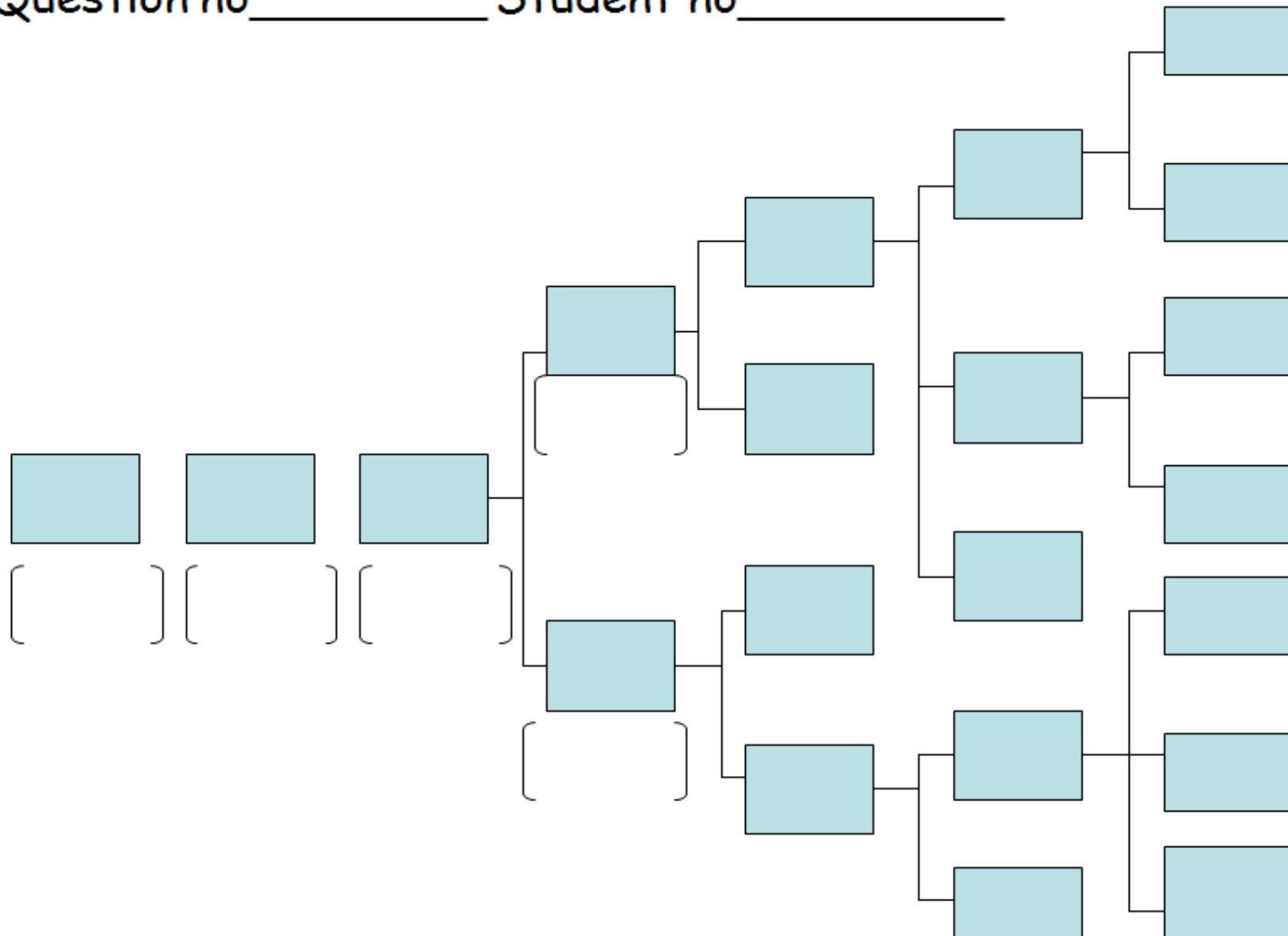
- The ROA and RONW (20).
- Indicate by how much Net Profit must decrease in order to achieve a ROA of 40% (20).
- Analyse the findings in a) and b) (20).

Balance Sheet at 31 March 2017				
Share capital	100		Fixed assets	140
Retained earnings	<u>114</u>		Accumulated depreciation	<u>20</u>
<b>Owners' equity</b>	<b>214</b>		<b>Total fixed assets</b>	<b>120</b>
Long term debt	36		<b>Current assets</b>	<b><u>194</u></b>
			Stock	106
			Trade debtors	46
			Cash	42
			<b>Total assets - gross</b>	<b>314</b>
			<b>Current liabilities</b>	<b><u>64</u></b>
			Trade creditors	39
			Bank overdraft	25
<b>Total</b>	<b><u>250</u></b>		<b>Total</b>	<b><u>250</u></b>

Income Statement for the year ended 31 March 2017	
Net sales	700
Cost of goods sold	<u>425</u>
<b>Gross profit</b>	<b>275</b>
Operating expenses:	
Variable expenses	40
Fixed expenses	<u>30</u>
<b>Operating profit</b>	<b>205</b>
Interest paid	<u>9</u>
<b>Net income before tax</b>	<b>196</b>
Tax (35%)	<u>9</u>
<b>Net income after tax</b>	<b><u>187</u></b>

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Question no \_\_\_\_\_ Student no \_\_\_\_\_



Question no \_\_\_\_\_ Student no \_\_\_\_\_

