

## OWN INVESTIGATION – Marking Criteria for Coursework B

Guide to mark assignment				
Section	Aims		Total Mark	H.L.
<b>Introduction</b>	Clear statement of the problem/topic to be investigated, background research undertaken in preparation for the investigation: people, books, websites, etc. as sources of relevant information.	10	<b>1 (i) Statement / identification of problem / hypothesis statement / topic to be investigated:</b> (must elaborate on title) <b>1 (ii) Research:</b> Any <i>two</i> references to book / web / person consulted etc (must qualify why this person was a suitable consultant)	(6) (2 × 2)
<b>Preparation and planning</b>	Identification of variables and controls List of equipment needed for the investigation List of tasks to be carried out during the investigation	40	<b>2 (i) Variables &amp; Controls*:</b> Identify any <i>five</i> variables / controls: Must include <b>two</b> essential variables with respect to title. Any <b>three</b> other relevant variables <b>2 (ii) Equipment needed:</b> Identify any <i>five</i> pieces of equipment used <b>2 (iii) List of tasks:</b> Identify any <i>three</i> tasks carried out in investigation * If variables/controls not relevant to the type of investigation undertaken allow 10 marks for stating so and then readjust equipment to (5 × 3) and tasks to (3 × 5)	(2 × 4) (3 × 4) (5 × 2) (2 + 4 + 4)
<b>Procedure</b>	Procedure, apparatus, safety, data collection/observations <ul style="list-style-type: none"> <li>Safety precautions required for this investigation</li> <li>Procedures followed in the investigation</li> <li>Recorded data/observations</li> </ul>	40	<b>3 (i) Safety:</b> Identify any <i>two</i> safety precautions followed in conducting the investigation <b>3 (ii) &amp; (iii) Procedure:</b> State <u>or</u> Show Identify any <i>eight</i> steps taken in conducting investigation <b>3 (iv) Recorded Data / Observations:</b> Identify any <i>two</i> points related to method used [Table presentation likely]	(2 × 3) (8 × 3) (2 × 5)
<b>Analysis &amp; Conclusions</b>	Analysis <ul style="list-style-type: none"> <li>Calculations/data analysis</li> <li>Conclusion(s) and evaluation of results(s)</li> </ul>	40	<b>4 (i) Calculations / Data analysis:</b> <i>Two</i> relevant comments analysing data <u>or</u> calculation <u>or</u> graph Limited manipulation of data <b>OR</b> Good manipulation of data <b>4 (ii) Conclusion:</b> <i>Two</i> relevant conclusions drawn <u>or</u> evaluation of results obtained Limited treatment <b>OR</b> Good treatment	(7) } (10) } × 2 (7) } (10) } × 2
<b>Comment</b>	Comments (e.g. refinements, extensions, sources of error etc.)	20	<b>5 Three</b> comments on <b>refinements / extensions / sources of error</b> e.g. What was learnt* / reliability of data / how process could be improved / sources of error / extension of investigation / possible reason for unexpected result * Other than conclusions already stated	(5 + 5 + 10)