Marking Criteria for Coursework B (HL) – OWN INVESTIGATION

10	Introduction to the investigation	
	1 (i) Statement/identification of problem/topic to be investigated	
	Limited treatment	(2)
	Good treatment	(4)
	Excellent treatment	(6)
	1 (ii) Background research	
	Any two references to book or internet or person consulted or evidence of	(2+2)
	research	
40	Preparation and planning	
	2 (i) Identify any relevant variables and necessary controls	
	Identify <u>eight</u> variables (<u>two</u> compulsory variables – which refer to the	$(4+4)$ (6×2)
	investigation title – and any <u>six</u> other variables) and/or indicate how some	(6×2)
	of these need to be controlled or held fixed	
	[If variables/controls not relevant to the type of investigation undertaken	
	allow 6 marks for stating so, then readjust equipment to (8×2) and tasks to	
	(6×3)	
	2 (ii) List of the equipment needed for the investigation	
	Identify any eight pieces of equipment pertinent to procedure	(8 × 1)
	2 (iii) List of tasks to be carried out during the investigation	
	Identify any <u>six</u> tasks carried out in investigation	(6 × 2)
40	Procedure, Apparatus, Safety, Data Collection/Observations	
	3 (i) Safety precautions	
	Identify any <u>four</u> specific safety precautions followed	(4×2)
	3 (ii) & (iii) Procedure followed in the investigation (state or show)	
	Identify any twelve steps taken in conducting investigation	$(4 \times 1) + (4 \times 2) +$
		(4×3)
	3 (iv) Recorded Data / Observations	
	Identify <u>eight</u> data points	(8 × 1)
40	<u>Analysis</u>	
	4 (i) Calculations / Data analysis	
	Two relevant analyses of data or calculations or graph(s)	
	Limited manipulation/presentation of data	(4)
	 Good manipulation/presentation of data 	(7) $\times 2$
	 Excellent manipulation/presentation of data 	(10)
	4 (ii) Conclusion(s) and Evaluation of Result(s)	
	<u>Two</u> relevant conclusions drawn and evaluation of results	
	Limited treatment	(4)
	Good treatment	(7) $\times 2$
	Excellent treatment	(10)
20	Comments	
	Any <u>four</u> comments on refinement or extension or source of error etc.	
	Limited comprehension	(1)
	Good comprehension	(3) $\times 4$
	Excellent comprehension	(5) J