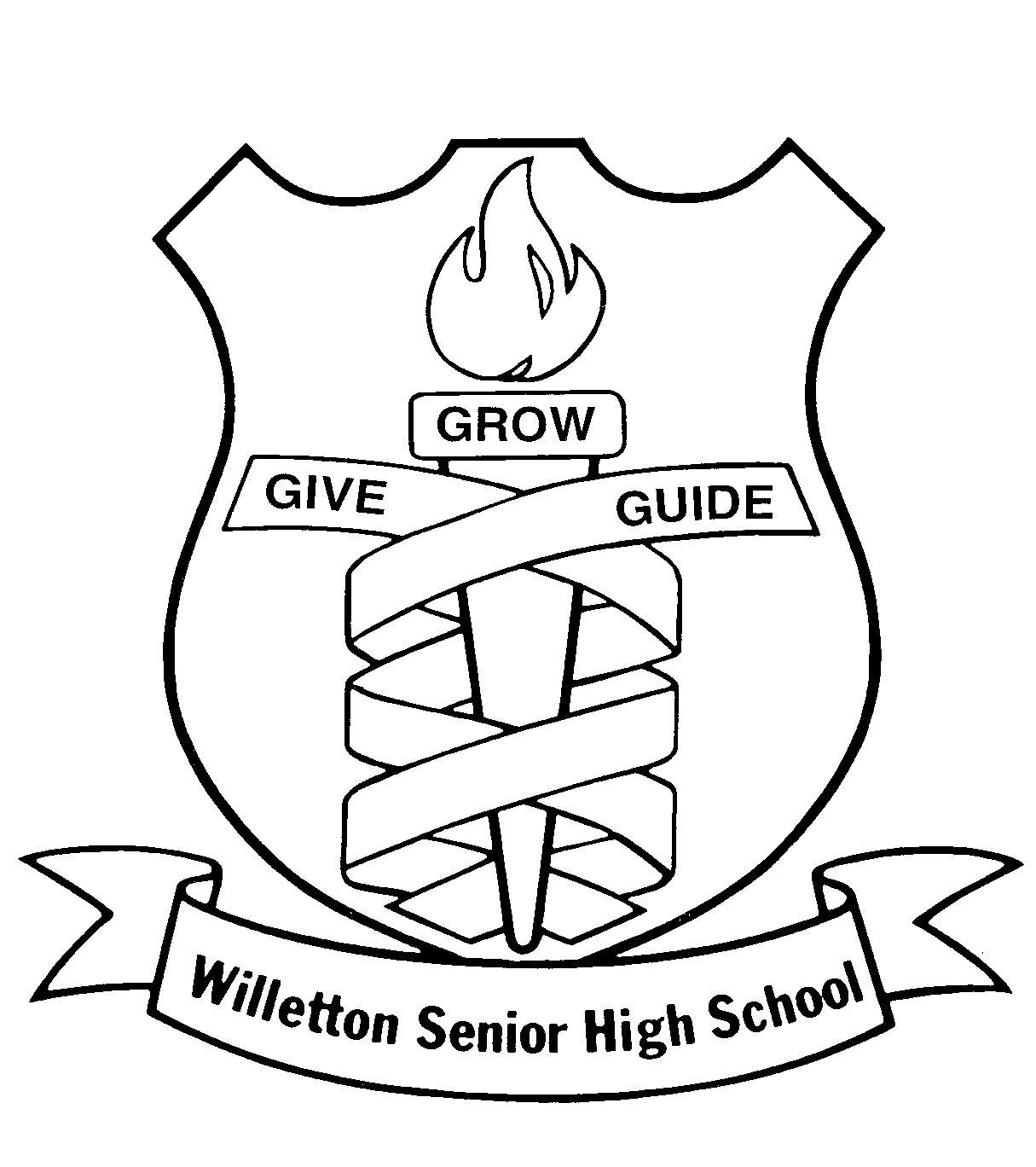
**YEAR 12 CHEMISTRY - ATCHE**

**PRACTICAL ASSESSMENT**

**Identifying Unknown Organic Compounds**

**Recommended time: 100 minutes comprising of**

**Total marks**

**/20**

* *Planning: 20 minutes*
* *Experimentation: 40 minutes*

Name: ANSWERS

**PROCEDURE:**

1. **Sequential flow chart (or dichotomous key etc.) [2 marks]**

2 marks for **well-constructed** (i.e. no sketch) & **completed** flow chart.

(1 mark for **near-**completed flow chart)

(0 mark for **anything that does not look like** a flow chart).

1. **(a) BRIEFLY describe all tests to be performed in the same sequence as your flow chart, noting how the result would identify the unknown: [4 marks]**

3 marks for coherent, structured description of **all** procedures.

**b) State two safety considerations which you need to make when conducting your experiments.**

**[2 marks]**

2 marks for safety requirements eg: (a) Br2(aq) e.g. fumehood

(b) H2SO4 e.g. safety glasses

**RESULTS [12 marks]**

There are 4 unknowns i.e. 3 marks for each unknown.

* 1 mark for clear concise observation stating all observable changes including colour, odour, layer separation etc.
* 1 mark for correct inference and making **an attempt** of writing chemical equation (where appropriate).
* 1 mark for correctly identifying the unknown.

IDENTITY OF UNKNOWNS:

A B C D

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| --- | --- | --- | --- |
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