

**Unit : CHY1B CHEMISTRY UNIT 1B**

**Centre :**

**Candidate Number :**

**UCI :**

Series : 3G07

**Candidate Name :**

12-MAR-07

*For completion by the Examination Invigilator. Please fill this circle if the candidate is absent:*

**HIGHER TIER**

Instructions on how to complete this answer sheet are given on the question paper. Please make sure you follow them carefully.

Questions **ONE** to **NINE** Choose one response **1 - 4** for each of the parts **A - D**

| QUESTION ONE |                                            | 1                     | 2                     | 3                     | 4                     |
|--------------|--------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| A            | hydrocarbons undergo thermal decomposition | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B            | hydrocarbons are heated                    | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C            | hydrocarbons vaporise                      | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D            | small hydrocarbon molecules                | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION TWO |  | 1                     | 2                     | 3                     | 4                     |
|--------------|--|-----------------------|-----------------------|-----------------------|-----------------------|
| A            |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B            |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C            |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D            |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION THREE |  | 1                     | 2                     | 3                     | 4                     |
|----------------|--|-----------------------|-----------------------|-----------------------|-----------------------|
| A              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION FOUR |  | 1                     | 2                     | 3                     | 4                     |
|---------------|--|-----------------------|-----------------------|-----------------------|-----------------------|
| A             |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B             |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C             |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D             |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION FIVE |  | 1                     | 2                     | 3                     | 4                     |
|---------------|--|-----------------------|-----------------------|-----------------------|-----------------------|
| A             |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B             |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C             |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D             |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION SIX |  | 1                     | 2                     | 3                     | 4                     |
|--------------|--|-----------------------|-----------------------|-----------------------|-----------------------|
| A            |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B            |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C            |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D            |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION SEVEN |  | 1                     | 2                     | 3                     | 4                     |
|----------------|--|-----------------------|-----------------------|-----------------------|-----------------------|
| A              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION EIGHT |  | 1                     | 2                     | 3                     | 4                     |
|----------------|--|-----------------------|-----------------------|-----------------------|-----------------------|
| A              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION NINE |  | 1                     | 2                     | 3                     | 4                     |
|---------------|--|-----------------------|-----------------------|-----------------------|-----------------------|
| A             |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B             |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C             |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D             |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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# FOUNDATION TIER

Instructions on how to complete this answer sheet are given on the question paper. Please make sure you follow them carefully.

Questions **ONE** to **NINE** Choose one response **1 - 4** for each of the parts **A - D**

| QUESTION ONE |          | 1                     | 2                     | 3                     | 4                     |
|--------------|----------|-----------------------|-----------------------|-----------------------|-----------------------|
| A            | alkanes  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B            | fuels    | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C            | monomers | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D            | polymers | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION TWO |                | 1                     | 2                     | 3                     | 4                     |
|--------------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| A            | carbon dioxide | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B            | nitrogen       | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C            | noble gases    | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D            | oxygen         | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION THREE |               | 1                     | 2                     | 3                     | 4                     |
|----------------|---------------|-----------------------|-----------------------|-----------------------|-----------------------|
| A              | ethanol       | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B              | ethene        | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C              | helium        | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D              | poly(propene) | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION FOUR |          | 1                     | 2                     | 3                     | 4                     |
|---------------|----------|-----------------------|-----------------------|-----------------------|-----------------------|
| A             | bromine  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B             | hydrogen | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C             | nickel   | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D             | water    | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION FIVE |              | 1                     | 2                     | 3                     | 4                     |
|---------------|--------------|-----------------------|-----------------------|-----------------------|-----------------------|
| A             | analysis     | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B             | combustion   | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C             | condensation | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D             | convection   | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION SIX |                                            | 1                     | 2                     | 3                     | 4                     |
|--------------|--------------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| A            | hydrocarbons undergo thermal decomposition | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B            | hydrocarbons are heated                    | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C            | hydrocarbons vaporise                      | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D            | small hydrocarbon molecules                | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION SEVEN |  | 1                     | 2                     | 3                     | 4                     |
|----------------|--|-----------------------|-----------------------|-----------------------|-----------------------|
| A              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION EIGHT |  | 1                     | 2                     | 3                     | 4                     |
|----------------|--|-----------------------|-----------------------|-----------------------|-----------------------|
| A              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D              |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION NINE |  | 1                     | 2                     | 3                     | 4                     |
|---------------|--|-----------------------|-----------------------|-----------------------|-----------------------|
| A             |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| B             |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| C             |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| D             |  | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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