

Centre:

Test Series: 05 MARCH 2005 SERIES J

Module: 346015 MATERIALS AND REACTIONS

Candidate Number:

UCI:

Candidate Name:

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

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 FIVE: Choose one answer for each of the parts 1 to 4.

| QUESTION ONE | 3 | 2 | 3 | 4 |
|-------------------|---|---|---|---|
| calcium carbonate | 0 | 0 | 0 | 0 |
| calcium hydroxide | 0 | 0 | 0 | 0 |
| calcium oxide | 0 | 0 | 0 | 0 |
| carbon dioxide | O | 0 | 0 | 0 |
| QUESTION THREE | 1 | 2 | 3 | 4 |
| Ciay | 0 | 0 | 0 | 0 |
| haematite | 0 | 0 | 0 | 0 |
| | | | | |

| ute parts 1 to 4. | | | | |
|-------------------|---|---|---|---|
| QUESTION TWO | 1 | 2 | 3 | 4 |
| carbon | 0 | 0 | 0 | 0 |
| chromium | 0 | 0 | 0 | 0 |
| iron | 0 | 0 | | 0 |
| sulphur | 0 | 0 | 0 | 0 |
| OUESTION FOUR | 1 | 2 | 3 | 4 |

| poly(propene) | (|) | 0 | 0 | 0 |
|---------------|---|------|---|---|---|
| QUESTION FIVE | | | 2 | 3 | 4 |
| metal A | | > = | 0 | 0 | 0 |
| metal B | | 5:11 | 0 | 0 | 0 |
| metal C | | | Ö | 0 | 0 |

| QUESTION FOUR | 1 | 2 | 3 | 4 |
|---------------|---|---|---|---|
| combining | 0 | 0 | 0 | 0 |
| condensing | 0 | 0 | 0 | 0 |
| cracking | 0 | 0 | 0 | 0 |
| neutralising | 0 | 0 | 0 | 0 |

Questions SIX and SEVEN: Choose two answers for each question.

QUESTION SIX

copper hydroxide copper sulphate oxygen water

poly(ethene)

metal D

| 0 | * |
|----|----|
| 0 | |
| 0 | |
| 0 | *) |
| 0. | • |
| | 0 |

QUESTION SEVEN

most plastics are biodegradable most plastics resist breakdown by microorganisms plastics are made when large molecules are broken down plastics are produced by fractional distillation of crude of poly(ethene) is a plastic

| | | 0 | ٠ |
|---------|---|---|-----|
| | | 0 | *. |
| down | * | ő | • . |
| ide oil | | 0 | *: |
| | | 0 | • |

Questions EIGHT to TEN: Choose one answer for each of the parts 1 to 4.

| C | UES | TION | EIGHT | Г |
|-----|-----|------|-------|---|
| | Α | В | C | D |
| 21 | 0 | 0 | 0 | 0 |
| 8.2 | 0 | 0 | 0 | 0 |
| 8.3 | 0 | 0 | 0 | 0 |
| 8.4 | 0 | 0 | 0 | 0 |

| | QUES | STION | NINE | |
|-----|------|-------|------|---|
| | Α | В | C | D |
| 9.1 | 0 | 0 | 0 | 0 |
| 9.2 | 0 | 0 | 0 | 0 |
| 9.3 | 0 | 0 | 0 | 0 |
| 9.4 | 0 | 0 | 0 | 0 |

| | QUE | STION B | V TEN | D |
|------|-----|------------|-------|----|
| 10.1 | 0 | 0 | 0 | 0 |
| 10.2 | 0 | 0 | 0 | 0 |
| 10.3 | 0 | 0 | 0 | 10 |
| 10.4 | 0 | 0 | 0 | 0 |

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 and TWO: Choose one answer for each of the parts 1 to 4.

| QUESTION ONE | 1 | 2 | 3 | 4 |
|--------------|----|----|---|---|
| metal A | 0 | 0 | 0 | 0 |
| metal B | 0 | 0 | 0 | 0 |
| metal C | 0 | 0 | 0 | 0 |
| metal D | .0 | 10 | 0 | 0 |

| | QUESTION TWO | 1 | 2 | 3 | 3 |
|---|--------------|---|---|---|----|
| 1 | | 0 | 0 | 0 | 0 |
| 2 | | 0 | 0 | 0 | 0 |
| 3 | | 0 | 0 | 0 | Ö |
| 4 | | ō | 0 | 0 | o, |

Questions THREE and FOUR: Choose two answers for each question.

| QUESTION |
|---------------------------------------------------------------|
| most plastics are biodegradable |
| most plastics resist breakdown by microorganisms |
| plastics are made when large molecules are broken down |
| plastics are produced by fractional distillation of crude oil |
| poly(ethene) is a plastic |
| |

| QUESTION FOUR | |
|-----------------------------------|---|
| argon (Ar) and potassium (K) | 0 |
| chlorine (CI) and argon (Ar) | 0 |
| magnesium (Mg) and aluminium (Al) | 0 |
| neon (Ne) and sodium (Na) | 0 |
| tellurium (Te) and iodine (I) | 0 |

Questions FIVE to TEN: Choose one answer for each of the parts 1 to 4.

| QUESTION FIVE | | | | | |
|---------------|---|---|---|---|--|
| | Α | В | C | D | |
| 5.1 | 0 | 0 | 0 | 0 | |
| 5.2 | 0 | 0 | 0 | 0 | |
| 5.3 | 0 | 0 | 0 | 0 | |
| 5.4 | 0 | 0 | 0 | 0 | |

| QUESTION SIX | | | | | |
|--------------|---|---|---|---|--|
| | Α | В | C | D | |
| 6.1 | 0 | 0 | 0 | 0 | |
| 6.2 | 0 | 0 | 0 | 0 | |
| 6.3 | 0 | 0 | 0 | 0 | |
| 6.4 | 0 | 0 | 0 | 0 | |

| QUESTION SEVEN A B C D | | | | | | |
|---------------------------|---|---|---|---|--|--|
| 7.1 | 0 | 0 | 0 | 0 | | |
| 7.2 | 0 | 0 | 0 | 0 | | |
| 7.3 | 0 | 0 | 0 | 0 | | |
| 7.4 | 0 | 0 | 0 | 0 | | |

| QUESTION EIGHT | | | | | |
|----------------|---|---|---|---|--|
| | Α | В | C | D | |
| 8.1 | 0 | 0 | 0 | 0 | |
| 8.2 | 0 | 0 | 0 | 0 | |
| 8.3 | 0 | 0 | 0 | 0 | |
| 8.4 | 0 | 0 | 0 | 0 | |

| QUESTION NINE A B C D | | | | | | |
|--------------------------|---|---|---|---|--|--|
| 9.1 | 0 | Ö | 0 | 0 | | |
| 9.2 | 0 | 0 | 0 | 0 | | |
| 9.3 | 0 | 0 | 0 | 0 | | |
| 9.4 | 0 | 0 | 0 | 0 | | |

| QUESTION TEN A B C D | | | | | | |
|-------------------------|---|---|---|---|--|--|
| 10.1 | 0 | 0 | 0 | 0 | | |
| 10.2 | 0 | 0 | 0 | 0 | | |
| 10.3 | 0 | 0 | 0 | 0 | | |
| 10.4 | 0 | 0 | 0 | 0 | | |

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