Centre :

Test Series : 04 NOVEMBER 2004 SERIES D

Module : 346010 ELECTRICITY

**Candidate Number :**          **UCI :**

**Candidate Name :**

# 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 | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| fuse | ○ | ○ | ○ | ○ |
| LDR | ○ | ○ | ○ | ○ |
| thermistor | ○ | ○ | ○ | ○ |
| variable resistor | ○ | ○ | ○ | ○ |

| QUESTION TWO | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| connects metal case of appliance to earth | ○ | ○ | ○ | ○ |
| holds the cable firmly | ○ | ○ | ○ | ○ |
| insulates the plug | ○ | ○ | ○ | ○ |
| wire inside melts if current is too high | ○ | ○ | ○ | ○ |

| QUESTION THREE | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| current | ○ | ○ | ○ | ○ |
| frequency | ○ | ○ | ○ | ○ |
| potential difference (voltage) | ○ | ○ | ○ | ○ |
| power | ○ | ○ | ○ | ○ |

| QUESTION FOUR | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| circuit breaker | ○ | ○ | ○ | ○ |
| motor | ○ | ○ | ○ | ○ |
| photocopier | ○ | ○ | ○ | ○ |
| smoke precipitator | ○ | ○ | ○ | ○ |

| QUESTION FIVE | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| diode | ○ | ○ | ○ | ○ |
| filament lamp | ○ | ○ | ○ | ○ |
| LDR | ○ | ○ | ○ | ○ |
| thermistor | ○ | ○ | ○ | ○ |

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

| QUESTION SIX | |
|---|---|
| J | ○ |
| K | ○ |
| L | ○ |
| M | ○ |
| N | ○ |

| QUESTION SEVEN | |
|---|---|
| P | ○ |
| Q | ○ |
| R | ○ |
| S | ○ |
| T | ○ |

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

| QUESTION EIGHT | A | B | C | D |
|---|---|---|---|---|
| 8.1 | ○ | ○ | ○ | ○ |
| 8.2 | ○ | ○ | ○ | ○ |
| 8.3 | ○ | ○ | ○ | ○ |
| 8.4 | ○ | ○ | ○ | ○ |

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

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

# HIGHER TIER

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

| QUESTION ONE | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| diode | ○ | ○ | ○ | ○ |
| filament lamp | ○ | ○ | ○ | ○ |
| LDR | ○ | ○ | ○ | ○ |
| thermistor | ○ | ○ | ○ | ○ |

| QUESTION TWO | 1 | 2 | 3 | 4 |
|---|---|---|---|---|
| a 30 V battery | ○ | ○ | ○ | ○ |
| live terminal of the mains supply | ○ | ○ | ○ | ○ |
| model generator | ○ | ○ | ○ | ○ |
| two 30 V batteries in series | ○ | ○ | ○ | ○ |

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

| QUESTION THREE | |
|---|---|
| P | ○ |
| Q | ○ |
| R | ○ |
| S | ○ |
| T | ○ |

| QUESTION FOUR | |
|---|---|
| the reading on V2 is twice the reading on V1 | ○ |
| the reading on V2 is three times the reading on V1 | ○ |
| the reading on V3 is twice the reading on V1 | ○ |
| the reading on V3 is three times the reading on V1 | ○ |
| the reading on V3 is twice the reading on V2 | ○ |

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

| QUESTION FIVE | A | B | C | D |
|---|---|---|---|---|
| 5.1 | ○ | ○ | ○ | ○ |
| 5.2 | ○ | ○ | ○ | ○ |
| 5.3 | ○ | ○ | ○ | ○ |
| 5.4 | ○ | ○ | ○ | ○ |

| QUESTION SIX | A | B | C | D |
|---|---|---|---|---|
| 6.1 | ○ | ○ | ○ | ○ |
| 6.2 | ○ | ○ | ○ | ○ |
| 6.3 | ○ | ○ | ○ | ○ |
| 6.4 | ○ | ○ | ○ | ○ |

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

| QUESTION EIGHT | A | B | C | D |
|---|---|---|---|---|
| 8.1 | ○ | ○ | ○ | ○ |
| 8.2 | ○ | ○ | ○ | ○ |
| 8.3 | ○ | ○ | ○ | ○ |
| 8.4 | ○ | ○ | ○ | ○ |

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

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

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