

Centre :

Test Series : 05 NOVEMBER 2005 SERIES C

Module : 346009 ENERGY

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 | 1 | 2 | 3 | 4 |
|--------------|-----------------------|-----------------------|-----------------------|-----------------------|
| electrical | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| heat | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| light | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| sound | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION TWO | 1 | 2 | 3 | 4 |
|--------------|-----------------------|-----------------------|-----------------------|-----------------------|
| CD player | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| cell | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| food mixer | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| toaster | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION THREE | 1 | 2 | 3 | 4 |
|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| conduction | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| convection | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| emission | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| radiation | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION FOUR | 1 | 2 | 3 | 4 |
|-----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| it will cool down rapidly | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| it will cool down slowly | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| it will not change in temperature | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| it will warm up | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION FIVE | 1 | 2 | 3 | 4 |
|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| electrical | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| gravitational potential | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| heat | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| kinetic | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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

| QUESTION SIX | |
|--------------------|-----------------------|
| the Sun | <input type="radio"/> |
| tides | <input type="radio"/> |
| water behind a dam | <input type="radio"/> |
| waves on the water | <input type="radio"/> |
| wind | <input type="radio"/> |

| QUESTION SEVEN | |
|--|-----------------------|
| they do not cause acid rain | <input type="radio"/> |
| they do not produce greenhouse gases | <input type="radio"/> |
| they do not work by heating water to produce steam | <input type="radio"/> |
| they produce radioactive waste | <input type="radio"/> |
| uranium is a renewable energy resource | <input type="radio"/> |

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

| QUESTION EIGHT | | | | |
|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | A | B | C | D |
| 8.1 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 8.2 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 8.3 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 8.4 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION NINE | | | | |
|---------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | A | B | C | D |
| 9.1 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 9.2 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 9.3 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 9.4 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| QUESTION TEN | | | | |
|--------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | A | B | C | D |
| 10.1 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 10.2 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 10.3 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 10.4 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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

- | | | | | |
|-------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| electrical | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| gravitational potential | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| heat | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| kinetic | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

QUESTION TWO

1 2 3 4

- | | | | | |
|-----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| coal-fired power station | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| hydroelectric power station | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| nuclear power station | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| oil-fired power station | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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

QUESTION THREE

- | | |
|--|--------------------------|
| they do not cause acid rain | <input type="checkbox"/> |
| they do not produce greenhouse gases | <input type="checkbox"/> |
| they do not work by heating water to produce steam | <input type="checkbox"/> |
| they produce radioactive waste | <input type="checkbox"/> |
| uranium is a renewable energy resource | <input type="checkbox"/> |

QUESTION FOUR

- | | |
|---|--------------------------|
| J | <input type="checkbox"/> |
| K | <input type="checkbox"/> |
| L | <input type="checkbox"/> |
| M | <input type="checkbox"/> |
| N | <input type="checkbox"/> |

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

QUESTION FIVE

A B C D

- | | | | | |
|-----|-----------------------|-----------------------|-----------------------|-----------------------|
| 5.1 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 5.2 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 5.3 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 5.4 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

QUESTION SIX

A B C D

- | | | | | |
|-----|-----------------------|-----------------------|-----------------------|-----------------------|
| 6.1 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 6.2 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 6.3 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 6.4 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

QUESTION SEVEN

A B C D

- | | | | | |
|-----|-----------------------|-----------------------|-----------------------|-----------------------|
| 7.1 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 7.2 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 7.3 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 7.4 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

QUESTION EIGHT

A B C D

- | | | | | |
|-----|-----------------------|-----------------------|-----------------------|-----------------------|
| 8.1 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 8.2 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 8.3 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 8.4 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

QUESTION NINE

A B C D

- | | | | | |
|-----|-----------------------|-----------------------|-----------------------|-----------------------|
| 9.1 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 9.2 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 9.3 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 9.4 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

QUESTION TEN

A B C D

- | | | | | |
|------|-----------------------|-----------------------|-----------------------|-----------------------|
| 10.1 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 10.2 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 10.3 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 10.4 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

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