

Unit: PHY1A PHYSICS UNIT 1A

Centre:

Candidate Number:

UCI:

Series: 3G07

12-MAR-07

Candidate Name:

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

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 |) |
|---|----------------|--------------------|---|---|---|---|---|-----|
| А | conclusion | | | 0 | 0 | 0 | 0 | |
| В | control | | | 0 | 0 | 0 | 0 | |
| С | environment | | | 0 | 0 | 0 | 0 | |
| D | evidence | | | 0 | 0 | 0 | 0 | |
| | | QUESTION TWO | | 1 | 2 | 3 | 4 |) |
| Α | free electrons | | | 0 | 0 | 0 | 0 | 3 |
| В | ions | | | 0 | 0 | 0 | 0 | 1 |
| С | particles | | | 0 | 0 | 0 | 0 | 500 |
| D | waves | Maria and American | * | 0 | 0 | 0 | 0 | |

| | QUESTION THREE | | | | |
|---|----------------|---|---|----|--|
| | 1 | 2 | 3 | 4 | |
| Α | 0 | 0 | 0 | 0 | |
| В | 0 | 0 | 0 | 0 | |
| С | 0 | 0 | 0 | 0 | |
| D | 0 | 0 | 0 | 0) | |

| | QUES | TION | SIX | |
|---|------|------|-----|---|
| | 11 | 2 | 3 | 4 |
| Α | O | O | O | 0 |
| В | 0 | 0 | 0 | 0 |
| С | 0 | 0 | 0 | 0 |
| D | 0 | 0 | 0 | 0 |

| | QUEST | ION | FOUR | 3 |
|---|-------|-----|------|---|
| | 111 | 2 | 3 | 4 |
| Α | 0 | 0 | 0 | 0 |
| В | 0 | / 0 | 0 | 0 |
| C | 0 | 0 | 0 | 0 |
| D | 0 | 0 | 0 | 0 |

| | QUESTION SEVEN | | | | | | |
|---|----------------|----|---|---|--|--|--|
| | 1 | 2 | 3 | 4 | | | |
| Α | 0_ | 7/ | O | U | | | |
| В | 0 | 0 | 0 | 0 | | | |
| С | 0 | 0 | 0 | 0 | | | |
| D | 0 | 0 | 0 | 0 | | | |

| | QUEST | ION | NINE | |
|---|-------|-----|------|---|
| | 1 | 2 | 3 | 4 |
| Α | | | O | 0 |
| В | 0 | 0 | 0 | 0 |
| С | 0 | 0 | 0 | 0 |
| D | 0 | 0 | 0 | 0 |

| | QUES' | TION | FIVE | |
|---|-------|------|------|----|
| | 1 | 2 | 3 | 4 |
| Α | 0 | 0 | 0 | 0 |
| В | 0 | 0 | 0 | 0 |
| С | 0 | 0 | 0 | 0 |
| D | 0 | 0 | 0 | 0) |

| | QUESTION EIGHT | | | | | |
|---|----------------|---|---|---|--|--|
| | 1 | 2 | 3 | 4 | | |
| Α | 0 | O | O | O | | |
| В | 0 | 0 | 0 | 0 | | |
| С | 0 | 0 | 0 | 0 | | |
| D | 0 | 0 | 0 | 0 | | |

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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

| | Α | heat | 0 | 0 | 0 | 0 | • | |
|---------|---|--|-----|--------|----|-----|---------------|------|
| | В | light | 0 | 0 | 0 | 0 | (. | |
| | С | movement | 0 | 0 | 0 | 0 | • | |
| | D | sound | 0 | 0 | 0 | 0 | | |
| | | QUESTION TWO | 1 | 2 | 3 | 4 | | |
| | Α | Coal-fired power stations | 0 | 0 | 0 | 0 | | |
| | В | Geothermal power stations | 0 | 0 | 0 | 0 | i • | |
| | С | Nuclear power stations | 0 | 0 | 0 | 0 | • | |
| | D | Tidal power stations | 0 | 0 | 0 | 0 | in the second | |
| | | QUESTION THREE | 1 | 2 | 3 | 4 | | |
| | Α | conduction | 0 | 0 | 0 | 0 | • | |
| | В | convection | 0 | 0 | 0 | 0 | • | |
| | С | radiation | 0 | 0 | 0 | 0 | • | |
| | D | reflection | 0 | 0 | 0 | 0 | • | |
| | | QUESTION FOUR | 1 | 2 | 3 | 4 | | |
| | Α | 0.9 | 0 | 0 | 0 | 0 | i | |
| | В | 10 | 0 | 0 | 0 | 0 | | |
| | С | 30 | 0 | 0 | 0 | 0 | • | |
| | D | 360 | 0 | 0 | 0 | 0 | | |
| | | QUESTION FIVE | 1 | 2 | 3 | 4 | | |
| | Α | The turbine turns the generator | 0 | 0 | 0 | 0 | • | |
| | В | Radiation is reflected onto the pipe | 0 | 0 | 0 | 0 | • | |
| | С | Steam drives the turbine | 0 | 0 | 0 | 0 | ing. | |
| | D | Water in the pipe absorbs energy | 0 | 0 | 0 | 0 | | |
| | | QUESTION SIX | 1 | 2 | 3 | 4 | | |
| | Α | conclusion | 0 | 0 | 0 | 0 | • | |
| | В | control | 0 | 0 | 0 | 0 | • | |
| | С | environment | 0 | 0 | 0 | 0 | • | |
| | D | evidence | 0 | 0 | 0 | 0 | • | |
| QUESTIC | N | SEVEN QUESTION EIGHT | (| | QU | EST | | NINE |
| 1 | 2 | 3 4 1 2 3 4 | | | | 1 | 2 | 3 |
| 0 | 0 | A 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | | A | | 0 | 0 | 0 |
| 0 | 0 | 5 | | В | | 0 | 0 | 0 |
| 0 | 0 | $\begin{bmatrix} \mathbf{c} & \mathbf{c} & \mathbf{c} \\ \mathbf{D} & \mathbf{c} & \mathbf{c} \end{bmatrix}$ | - 1 | C D | | 0 | 0 | 0 |
| 175 | - | | | | | | | 1000 |

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