$\square$

TUESDAY, 16 MAY
1:00 PM - 3:30 PM

Fill in these boxes and read what is printed below.

Full name of centre

$\square$

Town
$\square$

Number of seat


Surname


Forename(s)


Date of birth


Write your answers clearly in this answer booklet. You must clearly identify in the margin the question number you are attempting.
Worksheets for questions 1 (a), 8 (a) and 8 (e) are included. Write your answers to these questions clearly in the spaces provided.
Use blue or black ink. Sketches, diagrams and graphs may be drawn in pencil.
Before leaving the examination room you must give this booklet to the Invigilator; if you do not, you may lose all the marks for this paper.

## Worksheet for question 1 (a)

| Stage | Precedence | Duration <br> (weeks) |
| :---: | :---: | :---: |
| A | -- | 2 |
| B | -- | 4 |
| C | -- | 6 |
| D | A | 8 |
| E | B, C | 3 |
| F | D | 1 |
| G | E | 6 |
| H | E | 5 |

- STG - stage
- DUR - duration
- EST - earliest start time
- EFT - earliest finish time
- LST - latest start time

| EST | STG | EFT |
| :--- | :--- | :--- |
|  |  | FLT |
| LST | DUR | LFT |

- LFT - latest finish time
- FLT - float


Worksheet for question 8 (a)

distance (m)

Worksheet for question 8 (e)

| Strain Gauge | Location |
| :---: | :---: |
| $R_{G 1}$ |  |
| $R_{G 2}$ |  |
| $R_{G 3}$ |  |
| $R_{G 4}$ |  |

[END OF WORKSHEETS]
ENTER

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| For marker's use |  |
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| Question | Marks |
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