# FOUNDATION TIER

## WEDNESDAY, 2 NOVEMBER 2016 - MORNING

1 hour 30 minutes

#### ADDITIONAL MATERIALS

The use of a calculator is not permitted in this examination.

A ruler, a protractor and a pair of compasses may be required.

#### INSTRUCTIONS TO CANDIDATES

Use black ink or black ball-point pen. Do not use gel pen or correction fluid.

You may use a pencil for graphs and diagrams only.

Write your name, centre number and candidate number in the spaces at the top of this page.

Answer all the questions in the spaces provided.

If you run out of space, use the continuation page at the back of the booklet, taking care to number the question(s) correctly.

Take  $\pi$  as 3·14.

### INFORMATION FOR CANDIDATES

|   | For Examiner's use only |                 |                 |
|---|-------------------------|-----------------|-----------------|
| mitted in this examination. ompasses may be required.   | Question                | Maximum<br>Mark | Mark<br>Awarded |
|   | 1.                      | 10              |                 |
| ES  | 2.                      | 5               |                 |
| pen. Do not use gel pen or                              | 3.                      | 8               |                 |
| and diagrams only.                                      | 4.                      | 9               |                 |
| r and candidate number in                               | 5.                      | 3               |                 |
| paces provided.   | 6.                      | 6               |                 |
| e continuation page at the<br>to number the question(s) | 7.                      | 3               |                 |
|   | 8.                      | 7               |                 |
|   | 9.                      | 6               |                 |
|   | 10.                     | 4               |                 |
| ES  | 11.                     | 4               |                 |
|   |                         |                 |                 |