

ECONOMICS ADMISSIONS ASSESSMENT

D563/11

ECAA Mock Paper 1

80 minutes

SECTION 1

INSTRUCTIONS TO CANDIDATES

Please read these instructions carefully, but do not open this question paper until you are told that you may do so. This paper is Section 1 of 2.

A separate answer sheet is provided for this paper. Please check you have one. You also require a soft pencil and an eraser.

Please complete the answer sheet with your candidate number, centre number, date of birth, and name.

At the end of 80 minutes, your supervisor will collect this question paper and answer sheet before giving out Section 2.

This paper contains two parts, **A** and **B**.

Part A Problem Solving (20 questions)

Part B Advanced Mathematics (16 questions)

You should attempt **both** parts and you are **strongly** advised to divide your time equally between the two parts: 40 minutes on **Part A** and 40 minutes on **Part B**.

This paper contains 36 multiple-choice questions. There are no penalties for incorrect responses, only marks for correct answers, so you should attempt all 36 questions. Each question is worth one mark.

For each question, choose the one option you consider correct and record your choice on the separate answer sheet. If you make a mistake, erase thoroughly and try again.

You **must** complete the answer sheet within the time limit.

You can use the question paper for rough working, but **no extra paper** is allowed. Only your responses on the answer sheet will be marked.

Dictionaries and calculators may NOT be used.

Please wait to be told you may begin before turning this page.

This paper consists of 26 printed pages and 3 blank pages.

15 The battery of Tim's car has a maximum charge of 100 kWh.

A warning light comes on when he has only 10 kWh left.

He always charges it as soon as he can after the warning light comes on.

The car travels 135 km on 30 kWh of battery power.

Last time he charged, which he was able to do immediately after the light came on, he only had £12 with him so he spent it all on electricity at £0.75 per kWh.

He then drove 63 km and saw a new garage offering electricity at £0.50 per kWh – an offer too good to miss. He charged the battery completely and paid with a credit card – the bank offers him free contents insurance if he pays with credit card regularly.

How much did it cost?

A £ 44.40

B £ 38.80

C £ 44.00

D £ 22.22

E £ 14.10