GCE AS

B480U10-1E

S25-B480U10-1E

MONDAY, 12 MAY 2025 – MORNING

GEOLOGY – AS component 1
Geological Enquiries

INSTRUCTIONS FOR CANDIDATES

Centres must share these instructions with candidates immediately on receipt.

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1. Each candidate will be issued with a Question Paper, a Resource Sheet, a Mineral Data Sheet and a copy of the Photographs of Specimens.

2. Each candidate will be issued with the following equipment for use in the examination:

- hand lens
- streak plate/unglazed tile
- steel pin/needle, e.g. biology dissection pin or steel nail (5.5 on Mohs Scale)
- copper coin
- dilute hydrochloric acid (0.5 M) and a means of adding it dropwise to a sample, e.g. dropping bottle, teat pipette, etc
- water and a means of adding it dropwise to a sample, e.g. dropping bottle, teat pipette, etc
- a strip of plain paper in order to assist with the construction of a geological cross-section

3. Candidates should be familiar with the use of the testing equipment.

4. Candidates must have access to normal drawing instruments, i.e. ruler, protractor, eraser, and a calculator.

5. Centres will be allocated one set of geological specimens per two candidates entered. Each set of specimens will contain a number of specimens, which relate to some of the questions in the question paper. Candidates must therefore expect to share the specimens with one other candidate and be aware that they will not necessarily be able to use the specimens in the order they appear in the question paper. Consequently, candidates should not expect to answer all the questions in the order they appear in the question paper.

6. Candidates must only take to their desk specimens that relate to the question they are working on. In addition, specimens must be returned as soon as candidates have finished using them.

7. One copy of a coloured photograph sheet will be allocated to each candidate to confirm which letter relates to which specimen. The specimens themselves will not be labelled with a letter.

8. Candidates must not communicate with other candidates, nor walk around the examination room. A set of specimens will be located very close to each candidate and candidates should access these directly with the minimum of movement or disturbance to other candidates.

9. Having handled geological specimens, candidates should wash their hands after the examination.