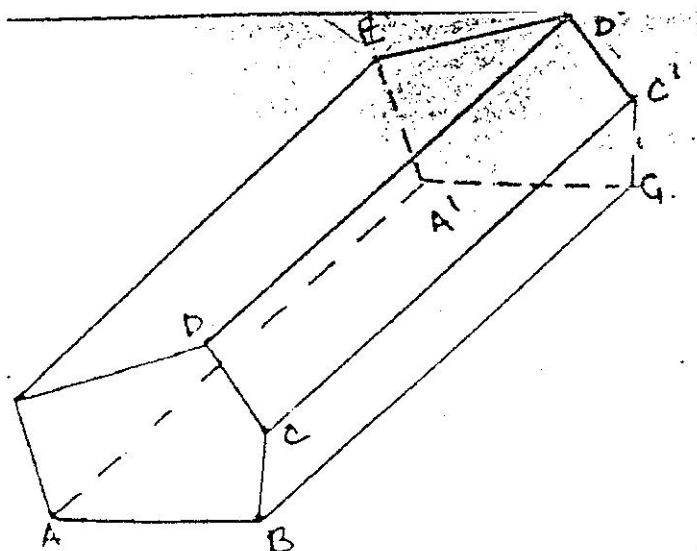Candidates were required to complete a given sketch of a solid in this question. Knowledge of three-dimension geometry was being tested.

Weaknesses

Many candidates could not make correct parallel lines and equal lines in their sketches.

Expected Responses

Candidates needed to draw 4 edges parallel and equal to line BG at points C, D, E and A and complete the sketch accordingly. Candidates were expected to draw the hidden sides with dotted lines as shown in the figure below.

Question 12

An industrialist has 450 litres of a chemical which is 70% pure. He mixes it with a chemical of the same type but 90% pure so as to obtain a mixture which is 75% pure.

Find the amount of the 90% pure chemical used.   (4 marks)

This question tested the candidates' ability to solve problems on mixtures. Ability to comprehend given information for an algebraic equation was also tested in this question.

Weaknesses

Many candidates were unable to interpret the meaning of a chemical, which is 70%, 90% or 75% pure.