

Question 6

A student obtained the following marks in four tests during a school term: 60%, 75%, 48% and 66%. The tests were weighted as follows: 2, 1, 4 and 3 respectively.

Calculate the student's weighted mean mark of the tests. (3 marks)

In this question candidates were required to calculate weighted mean of given marks and their respective weights.

Weaknesses

Candidates could not relate the given marks and their respective weights. Those who could were unable to comprehend what weighted mean meant.

Expected Responses

Candidates needed to find the sum total of the weighted products:

$$60 \times 2 + 75 \times 1 + 48 \times 4 + 66 \times 3 = 585.$$

Thereafter, the candidates were to work out the sum of the weights of the given marks:

$$2 + 1 + 4 + 3 = 10$$

Thus, the weighted mean = $\frac{585}{10} = 58.5$

Question 11

In the figure below ABCDE is a cross-section of a solid. The solid has uniform cross-section. Given that BG is a base edge of the solid, complete the sketch, showing the hidden edges with broken lines. (3 marks)

