Question

At the end of a statistics course, Diana sits for two written papers, P1 and P2 and hands in a piece of course work. Her marks out 100 were 76 for P1 and 67 for P2 and she gained 81 marks for her course work. Her overall percentage is to be weighted so that the two written papers account for 40% while the course work accounts for 20%. Calculate Diana's overall percentage mark.

Solution

If her marks out 100 were P1 = 76, P2 = 67, C = 81 and the two written papers account for 40% while the course work accounts for 20%, then Diana's overall percentage mark is given by

Total percentage mark = $(0.4 \cdot 76/100 + 0.4 \cdot 67/100 + 0.2 \cdot 81/100) = 0.734$ or 73.4%, which correspond to 73.4 out of 100.

Answer: 73.4%.