Gate paper code

Dec 2023

Items	Cost (₹)	Profit %	Marked Price
1. P	$5,400$	. . . .	$5,860$
Q	. . . .	25%	$10,000$

Details of prices of two items P and Q are presented in the above table. The ratio of cost of item P to cost of item Q is 3.4. Discount is calculated as the difference between the marking price and the selling price. The profit percentage is calculated as the selling price. The profit percentage is calculated as the ratio of the difference between selling price and cost to the cost (Profit% $= \frac{SellingPrice - Cost}{Cost} \times 100$). The discount on item Q, as a percentage of its marked price, is:

(a) 25

(b) 12.5

(c) 10

(d) 5