

Trigonometry Questions Overview

Trigonometry Questions have a good weightage in the Banking Exam and the type of question asked in Banking exam is similar to the question mentioned below. It has been solved and explained by Gargi.ai Experts and they have tried to elaborate the concept used in Trigonometry Questions.

Question

A person invested two equal amounts in two different schemes. In first scheme, amount is invested at 8% p.a. on SI for T years and SI received is Rs 2000 while in second scheme, amount is invested at 10% p.a. for 2 years at CI and the compound interest received is Rs. 1050. Find the value of T

Difficulty : Moderate

Average Time : 39 Seconds

Options :

1. 4 yr
2. 8 yr
3. 6 yr
4. 5 yr
5. 3 yr

Solution

The correct answer is **option 1** i.e. **4 yr**

Let the amount be Rs. x

CI at 10% in 2 years = $10 + 10 + (10 \times 10)/100$

= 21%.

ATQ,

$(x \times 21)/100 = 1050$ $x = \text{Rs. } 5000$

And,

$(5000 \times 8 \times T)/100 = 2000$

T = 5 years.

