

Trigonometry Questions Overview

Trigonometry Questions have a good weightage in the Ssc Chsl Exam and the type of question asked in Ssc Chsl exam is similar to the question mentioned below. It has been solved and explained by KD Live Experts under the guidance of Neetu Mam and they have tried to elaborate the concept used in Trigonometry Questions.

Question On Trigonometry

If $\cos^2 - \sin^2 = 1/4$ and $2(\cos^4 - \sin^4) = 1 + 2\tan^2$ then, find the simplified value of \tan^2 .

Difficulty : Moderate

Average Time : 32 Seconds

Trigonometry Questions Options

1. $-1/2$
2. $-1/4$
3. -2
4. 0

Trigonometry Questions Solution

The correct answer is **option 2** i.e. $-1/4$.

$$2(\cos^4 - \sin^4) = 1 + 2\tan^2$$

$$2((\cos^2)^2 - (\sin^2)^2) = 1 + 2\tan^2$$

$$2(\cos^2 + \sin^2)(\cos^2 - \sin^2) = 1 + 2\tan^2$$

$$2 \times 1 \times 1/4 = 1 + 2\tan^2$$

$$2 \times 1/4 = 1 + 2\tan^2$$

$$1/2 - 1 = 2\tan^2$$

$$-1/2 = 2\tan^2$$

$$\tan^2 = -1/4$$

Trigonometry Questions Tips and Tricks



1. Try to solve Trigonometry Questions without taking any help from the solutions.
2. Trigonometry Questions require proper usage of concept so firstly read the question thoroughly and then use the right concept.
3. In case you're not able to solve the question in less than 30 seconds in the exam then you should skip the question and move to the next question.

Daily Current Affairs



KD Live is providing Current Affairs on a daily basis for SSC and a current affairs quiz too for the practice. For the Current Affairs please [Click Here](#) and for the current affairs quiz please [Click Here](#).

KD Live Free Offerings



KD Live is Offering Every Information and Study Material required for the self study. Please click on the following links for accessing those.

- [Study Plan](#)
- [General Science](#)
- [General Awareness](#)
- [General Knowledge](#)
- [Quantitative Aptitude](#)
- [Logical Reasoning](#)
- [English Language](#)
- [Today In History](#)
- [Previous Year Question](#)
- [Syllabus](#)
- [Know Your State](#)
- [Know Your Country](#)
- [Know Your City](#)
- [Know Your Leader](#)
- [Books And Authors](#)
- [Daily Vocabulary](#)
- [Daily Editorial](#)
- [Latest Notifications](#)
- [Exam Dates](#)
- [Admit Card](#)
- [Exam Results](#)



[Exam Cutoff](#)
[Exam Eligibility](#)
[Exam Pattern](#)
[Answer Key](#)
[Important Days](#)

Further Guidance on Trigonometry Questions

For Asking any query on Trigonometry Questions please mail [Send Email](#) or you can fill the form at [KD Live](#).

About KD Live

KD live has an expertise in providing apt explanations for the Trigonometry Questions since 2008. More than 10 lakh aspirants have cleared competitive exams under the guidance of Neetu Mam. Study.kdcampus.live is providing free information on various topics and for the Ssc Chsl Exam you can refer the following link [Click Here](#) however if you want to practice more questions then please refer the following link [Click Here](#).

About Neetu Mam

Neetu Mam is primarily passionate for the English language and teaching from the last 20 years however for the Trigonometry Questions. She has guided her team to provide the best explanation for the question.