

STUDY CONTENTS THAT GET YOU SELECTED 5 LAKH+ STUDENTS Already enrolled with our selection focused courses. 30+ EXPERT INSTRUCTORS Our instructors are the best in the industry 0 ur instructors are the best in the industry



## **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}

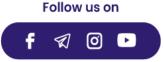
2 \times 1 \times 1/4 = 1 + 2\tan^{2}

2 \times 1/4 = 1 + 2\tan^{2}

1/2 - 1 = 2\tan^{2}

- 1/2 = 2\tan^{2}

\tan^{2} = -1/4
```



Address : 1997, Mukherjee Nagar, 110009 Email : online@kdcampus.org Call : +91 95551 08888 Download the App



Page No: 1





10000+ HOURS OF VIDEOS All videos are well-explained for you to get every bit out of the videos



# **Trigonometry Questions Tips and Tricks**

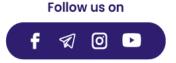


- 1. Try to solve Trigonometry Questions without taking any help from the solutions.
- 2. Trigonometry Questions require proper usage of concept so firstly read the question thoroughly and then use the right concept.
- 3. In case you're not able to solve the question in less than 30 seconds in the exam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



Page No: 2

Address: 1997, Mukherjee Nagar, 110009 Email: online@kdcampus.org Call:+919555108888

Download the App Google Play



STUDY CONTENTS THAT GET YOU SELECTED **5 LAKH+ STUDENTS** Already enrolled with our selection focused courses.

**30+ EXPERT INSTRUCTORS** Our instructors are the best In the industry

10000+ HOURS OF VIDEOS All videos are well-explained for you to get every bit out of the videos

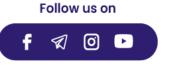


#### **KD Live Free Offerings**



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** 



Page No: 3

Address: 1997, Mukherjee Nagar, 110009 Email: online@kdcampus.org Call:+919555108888

Download the App







**30+ EXPERT INSTRUCTORS** Our instructors are the best In the industry

10000+ HOURS OF VIDEOS All videos are well-explained for you to get every bit out of the videos

Exam Cutoff **Exam Eligibility Exam Pattern Answer Key Important Days** 

### **Further Guidance on Trigonometry Questions**

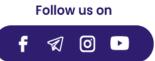
For Asking any query on Trigonometry Questions please mail Send Email or you can fill the form at KD Live.

### 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.



Page No: 4

Address: 1997, Mukherjee Nagar, 110009 Email: online@kdcampus.org Call: +91 95551 08888

