



RAILWAY NTPC

MATHS



$$\sin \theta = b/c$$

$$\sin \omega = a/c$$

$$\cos \theta = a/c$$

$$\cos \omega = b/c$$

$$\tan \theta = b/a$$

$$\tan \omega = a/b$$



TRIGONOMETRY

PART-3

DAY- 17



WATCH LIVE

4:00 PM

 **Mahendras**

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LIVE CLASS

TARGET SSC 2019

GS



GS

02:00 PM TO 03:00 PM

60+ Lectures

LIVE CLASS

TARGET SSC 2019

ENGLISH



ENGLISH

04:00 PM TO 05:00 PM

50+ Lectures

LIVE CLASS

TARGET SSC 2019

MATHS



MATHS

06:00 PM TO 07:00 PM

60+ Lectures

Batch Start Date

26 JUNE 19

KEY FEATURES

- ➔ CLASSES: 6 DAYS A WEEK (MON-SAT)
- ➔ CLASS DURATION: 1 HOUR
- ➔ LANGUAGE: HINDI
- ➔ BATCH STRENGTH: 100 SEATS
- ➔ VIDEO LIBRARY VALIDITY: 365 DAYS
- ➔ CLASSES BY EXPERT FACULTIES
- ➔ TOPIC WISE PDF
- ➔ CHAT FACILITY

MRP

~~₹5000~~

Selling Price

₹1999/-

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Toll Free : 1800 103 5225

EXAM DATE EXTENDED

PREPARATORY EXAM

Delhi Police 2019 & Haryana Police 2019

Admission Scheme for Participants

- A** All candidates who will appear in Preparatory exams can get 25% discount on Video Guru - All in One & ST Card-All in One. (not applicable if taken admission as per point b).
- B** Candidates who will qualify as per the scores decided by Mahendra will get up to 50% discount on admission in Delhi Police & Haryana Police Card.

Note

- A** Marks obtained by candidates will be converted into Percentile and then final result will be declared. Discounts will be given to candidates on the basis of scores obtained by them.
- B** New Batches of Delhi Police & Haryana Police are starting from 19 June 2019. Hurry Up!! Avail the biggest opportunity and boost up your Preparation with Mahendras by Participating in Mahendras Preparatory Exam.



Toll Free : 1800-103-5225

www.mahendras.org

ONLY 200 SEATS

Important Dates

Exam Date : 20-June'19 (Tentative)

Start Date to Apply : 13-June'19 via form

Last Date to Apply : 18-June'19 via form

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IMPORTANT RESULTS

$$\blacklozenge \sin (A + B) = \sin A \cdot \cos B + \cos A \cdot \sin B$$

$$\blacklozenge \cos (A + B) = \cos A \cdot \cos B - \sin A \cdot \sin B$$

$$\blacklozenge \tan (A + B) = \frac{\tan A + \tan B}{1 - \tan A \cdot \tan B}$$

Find the value of $\frac{1 + \tan 15}{1 - \tan 15}$

Find the value of $\frac{\cos 15^\circ + \sin 15^\circ}{\cos 15^\circ - \sin 15^\circ}$

If $3\sin \theta + 4\cos \theta = 5$ then find $1 - \tan^2 \theta = ?$

If $5\sin \theta + 12\cos \theta = 13$ then find $\sec \theta = ?$

If $\sin\theta - \cos\theta = \frac{7}{13}$ then find $\sin\theta + \cos\theta = ?$

In triangle ABC if $\tan A + \tan B + \tan C = 20$ and $\tan A \cdot \tan B = 5$ then find value of $\tan C$.

If $A + B = 90$ then find $\sqrt{\cos A \cdot \operatorname{cosec} B - \cos A \sin B} = ?$

- 1) $\sin A$
- 2) $\cos A$
- 3) $\tan A$
- 4) $\cot A$

If $\sin x + \cos x = p$ and $\sec x + \operatorname{cosec} x = q$ then $q(p^2 - 1) = ?$

- 1) p**
- 2) $2p$**
- 3) $3p$**
- 4) $4p$**

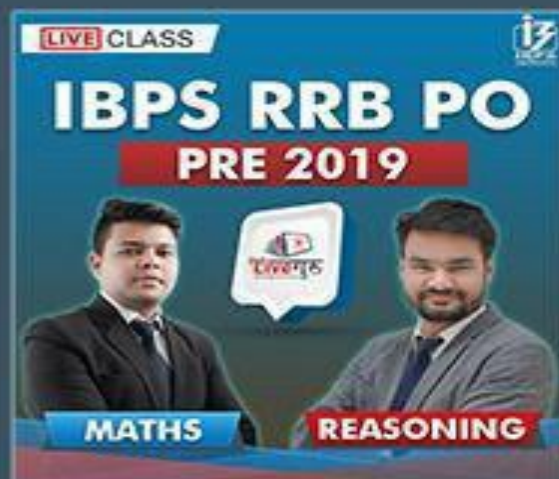
Find $\operatorname{cosec}(75 + x) - \sec(15 - x) - \tan(55 + x) + \cot(35 - x) = ?$

1) 0

2) 1

3) 2

4) 3



MATHS

REASONING

08:00 AM TO 09:00 AM 09:00 AM TO 10:00 AM

Selling Price

~~₹4000~~

Offer Price

₹1299/-



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Batch Start Date

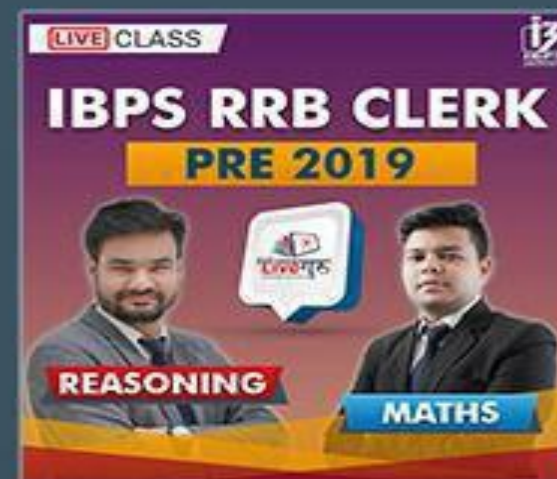
12 JUNE 19

KEY FEATURES

- PER DAY 2 HOURS CLASS
- 90+ HOURS CLASS
- 6 MONTHS VALIDITY OF LIBRARY
- CLASSES PROVIDED BY EXPERIENCED FACULTIES
- STUDY ANY WHERE ANY TIME
- CLASSES AS PER LATEST PATTERN
- EXAM ORIENTED CONTENT
- CHAT FACILITY
- PERSONAL ASSISTANCE BY FACULTY

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MATHS

REASONING

10:30 AM TO 11:30 AM 11:30 AM TO 12:30 PM

Selling Price

~~₹3500~~

Offer Price

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Batch Start Date

10 JUNE 19

NEW
PRODUCT

Batch Start Time

BANK GA

01:00 PM TO 02:00 PM

BANK ENGLISH

03:00 PM TO 04:00 PM

BANK MATHS

05:00 PM TO 06:00 PM

BANK REASONING

07:00 PM TO 08:00 PM

MRP
~~₹2500~~

Each Subject

₹999

**Admission
OPEN**

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