DELHI POLICE 2025

CONSTABLE HCM AWO/TPO DRIVER

यकीन बैच

MATHS DEMO-01

Number System

(संख्या पद्धति)

15-01-2025 11:00 AM

15 January – (5/6 months)

Constable

Geometry → AWO/TPO

Trigonometry → HCM

Algebra

Probability

Driver

Arithmetic + Mensuration

4 – 4.5 month

classes + worksheet

Book

DELHI POLICE 2025
CONSTABLE HCM AWO/TPO DRIVER
COMBO 4in1
यकीन बैच
Features
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DP Books PDF Free
Test Series Free (20 Mock)
Doubt Group
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Mock Test
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₹1199/-
Registration Starts from 1st JAN.
Classes Start from 15th JAN.

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TIME TABLE

DELHI POLICE 2025

CONSTABLE

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Classes Start from 15th JAN

TIME TABLE

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AWO/TPO

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TIME TABLE

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Delhi Police Constable

Numerical Ability: This part will include questions on problems relating to Number Systems, Computation of Whole Numbers,

Decimals and Fractions and relationship between Numbers, Fundamental Arithmetical operations, Percentages, Ratio and Proportion, Averages, Interest, Profit and Loss, Discount, Mensuration, Time and Distance, Ratio and Time, Time and Work. etc.

Delhi Police HCM

Quantitative Aptitude: Computation of Whole Number, Decimal and Fractions, Relationship between numbers, Percentages, Ratio and Proportion, Square roots, Averages, Interest (Simple and Compound), Profit and Loss, Discount, Partnership Business, Mixture and Alligation, Time and distance, Time and work, Basic algebraic identities of School Algebra and Elementary surds (simple problems) and Graphs of Linear Equations, Triangle and its various kinds of centres, Congruence and similarity of triangles, Circle and its chords, tangents, angles subtended by chords of a circle, common tangents to two or more circles, Triangle, Quadrilaterals, Regular Polygons, Circle, Right Prism, Right Circular Cone, Right Circular Cylinder, Sphere, Hemispheres, Rectangular Parallelepiped, Regular Right Pyramid with triangular or square Base, Trigonometry, Trigonometric ratios, Degree and Radian Measures, Standard Identities, Complementary angles, Heights and distances, Histogram, Frequency polygon, Bar-diagram, Pie-chart.

Delhi Police Head Constable Awo/Tpo

Mathematics: Number systems, Ratio and Proportion, Percentages, Averages, Simple and Compound interest, Profit, Loss & Discount, Time, Distance & Work, Algebra (Equations, Surds, Indices, Graphs), Geometry, Mensuration, Trigonometry, Data Interpretation, Sequence & Series, Permutation & Combination and Simplification.

Delhi Police Driver

Part C: Numerical Ability: This paper will include questions on problems relating to Number Systems, Computation of Whole Numbers, Decimals and Fractions and relationship between Numbers, Fundamental Arithmetical operations, Percentages, Ratio and Proportion, Averages, Interest, Profit and Loss, Discount, Mensuration, Time and Distance, Ratio and Time, Time and Work, etc.

Number System

		Total Shift
Delhi Police Constable 2020	40	38
Delhi Police Constable 2023	50	45
Delhi Police HCM 2022	13	24
Delhi Police AWO/TPO 2022	03	06

Prime Number	DP Constable 2020 DP Constable 2023 DP HCM 2022 DP AWO/TPO 2022	22 30 06 01
Co-Prime Number	DP Constable 2020 DP Constable 2023 DP HCM 2022	04 07 03
Factor	DP Constable 2020 DP Constable 2023 DP HCM 2022	02 02 01
Remainder	DP Constable 2020 DP Constable 2023 DP HCM 2022	04 02 01
Question Based On Numbers	DP Constable 2020 DP Constable 2023 DP HCM 2022 DP AWO/TPO 2022	05 04 02 01
Divisibility Rule	DP Constable 2020 DP Constable 2023	01 01

संख्याओ का वर्गीकरण :-

Classification of Numbers
(संख्याओं का वर्गीकरण)

➤ Natural Numbers (प्राकृत संख्याए) :-

(1, 2, 3, 4, ——— ∞)

→ Counting no.

→ +ve integers
धनात्मक पूर्णांक

➤ Whole Numbers (पूर्ण संख्याए) -

(0, 1, 2, 3, 4, 5, 6, ——— ∞)

a) सभी प्राकृतिक संख्याए पूर्ण संख्याए होती है

~~b)~~ सभी पूर्ण संख्याए प्राकृतिक संख्या होती है

Integers (पूर्णांक) - [−∞ to +∞]

0 ना +ve ना ही -ve integer होता 0 केवल Integer होता है

Positive integer
धनात्मक पूर्णांक
(+1, +2, +3, ——— ∞)

Negative Integer
ऋणात्मक पूर्णांक
−∞, ——— −4, −3, −2, −1

Notes

➢ **Even Numbers** (सम संख्याए) -

Smallest Even no. (धनात्मक) :
सबसे छोटी सम संख्या : = 2
Positive

जो 2 से Divide हो जाती है

→ Unit digit [0, 2, 4, 6, 8]

253410 ✓
~~8679841~~
~~75361~~
87942 ✓

Odd Number (विषम संख्याए)-

२ से Divide नही होती

सबसे छोटी विषम संख्या = 1

Prime Number (अभाज्य संख्याए)-

- **Composite Number** (भाज्य संख्या):-

➤ Rational Numbers (परिमेय संख्याएं)-

⇒ (a) $\frac{p}{q}$ ✓

(b) $q \neq 0$ ✓

(c) p, q दोनों integers होनी चाहिए ✓

Approximate value

$\pi = \frac{22}{7}$

(π) $\frac{p}{q}$ $q \neq 0$

p, q दोनों integers

Irrational no.

$\sqrt{2} \times \frac{1}{1}$ Irrational

⇒ $\frac{2}{3}$ ⇒ $\frac{-7}{9}$

⇒ $\frac{7}{1}$ $\frac{p}{q}$

$\pi = \frac{22}{7}$ → Rational no.

⇒ $\frac{0}{1}$ Rational no.

⇒ $\frac{\sqrt{36}}{\sqrt{49}} = \frac{6}{7}$ $\frac{p}{q}$

⇒ $\frac{\sqrt{37}}{\sqrt{64}}$ - Irrational

➢ Irrational Numbers (अपरिमेय संख्याए) :-

Discussed