

BSF ASI Steno & HCM Exam 2026

Head Constable (Ministerial) & ASI (Stenographer) - Written Exam

ENGLISH

All 8 Shifts · 01-18 September 2026 · Official Answer Key

About this Booklet

This booklet reproduces the BSF ASI (Stenographer) and Head Constable (Ministerial) 2026 written examination exactly as it appeared to candidates, reconstructed from the official response sheets published by the Border Security Force. Every question carries its official answer, highlighted in green. Six sections - General Intelligence, Numerical Aptitude, Basic Computer Knowledge, Clerical Aptitude, English Language and Hindi Language - 20 questions each, 120 in all. There is no negative marking in this examination. This sectional compilation gathers every Numerical Aptitude question from all 8 shifts of the examination.

✓ Correct option (highlighted green)

Shifts in this Booklet

1	01/09/2026 1:00 PM - 4:00 PM · 20 Q	4	02/09/2026 5:00 PM - 6:40 PM · 20 Q	7	18/09/2026 9:00 AM - 10:40 AM · 20 Q
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How to use

- Use the **Shifts** list above to jump straight to any shift.
- The correct answer is highlighted in green with a tick.
- The full **Answer Key** grid is at the end of the booklet.

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01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

20 questions

Q1 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

In an election with 25,000 total votes cast, 4% of the votes were declared invalid. Candidate A received 58% of the valid votes, and Candidate B received the rest. What was Candidate A's victory margin over Candidate B?

A. 4,224

B. 3,840

C. 4,032

D. 4,416

Q2 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Raj had ₹1,353 with him. He divided it between his sons, Varun and Ashish, and asked them to invest their respective shares at a compound interest rate of 5% per annum, compounded annually. It was found that the amounts received by Varun after 15 years and by Ashish after 16 years were equal. How much (in ₹) did Raj give to Ashish?

A. 693

B. 510

C. 660

D. 793

Q3 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

The marked price of a fan is ₹1,680. A discount of 15% is offered. What is the amount of discount?

A. ₹252

B. ₹172

C. ₹152

D. ₹272

Q4 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

A piano with a marked price of ₹12,000 is sold for ₹8,160 after two successive discounts. If the first discount given is 15%, what is the percentage of the second discount?

A. 20%

B. 25%

C. 15%

D. 18%

Q5 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

The marks obtained by a student in five tests are 21, 23, 25, 27 and 29. What is the mean deviation about the mean for these marks?

A. 2.4

B. 3.2

C. 4.2

D. 4

Q6 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Three pipes A, B, and C can fill an empty tank in 15, 20, and 30 hours respectively. Pipe A is open all the time. Pipe B and Pipe C are opened for one hour each on alternate hours, starting with Pipe B in the first hour. In exactly how much time will the tank be completely filled?

A. 9 hours

B. 9 hours 20 minutes

C. 9 hours 10 minutes

D. 9 hours 15 minutes

Q7 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Amit and Vimal start simultaneously from the same point on a circular track of 400 meters. Amit runs at 100 meters per minute and Vimal at 80 meters per minute. After how many minutes will they meet at the starting point again?

A. 15

B. 22

C. 16

D. 20

Q8 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

There is a set of fourteen numbers. The average of the first three numbers is 32, and the average of the remaining eleven numbers is 53. Each of the first three numbers is multiplied by 15, and 6 is added to each of the remaining eleven numbers. Find the average of all the numbers together after these changes.

A.

B. 153

C.

D. 172



Q9 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Given how many positive integers d satisfy all of the following: d divides N , d is divisible by 2, 5, and 11, and d is coprime to 21?

- A. 24
- B. 30
- C. 16
- D. 20

**Q10** 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

A floor is to be decorated using rhombus shaped tiles. Each tile has diagonals measuring 30 cm and 16 cm. If 36 such tiles are used to decorate the floor, then what will be the total area covered by the tiles?

- A. 8,640 cm²
- B. 8,650 cm²
- C. 8,440 cm²
- D. 8,460 cm²

**Q11** 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Three friends, Rohan, Simran, and Vikram, share a sum of ₹1200 in such a way that the sum of Rohan's and Simran's shares is ₹700, the sum of Simran's and Vikram's shares is ₹800, and the sum of Vikram's and Rohan's shares is ₹900. What is the amount received by Simran?

- A. ₹300
- B. ₹400
- C. ₹600
- D. ₹500

**Q12** 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

The angle of elevation of the top of a vertical tower from a point A on the ground is 30°. On moving 40 meters towards the foot of the tower in a straight line to a point B, the angle of elevation changes to 60°. What is the precise height of the tower?

- A. $40\sqrt{3}$ m
- B. $30\sqrt{3}$ m
- C. $20\sqrt{3}$ m
- D. $10\sqrt{3}$ m

**Q13** 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

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व्यंजक $(3y + 2)^2 - (3y - 2)^2$ को सरल कीजिए।

- A. 18y
- B. 18y²
- C. 12y
- D. 24y

**Q14** 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

The following pie charts provide the distribution of the total population and the adult male population across five different cities (A, B, C, D, and E). Assuming the population consists entirely of adult males, adult females, and children, what is the ratio of the combined number of females and children in City B to the combined number of females and children in City E?

- A. 15:19
- B. 21:25
- C. 17:20
- D. 4:5

**Q15** 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Mahesh borrowed an amount of ₹3,40,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Mahesh after 3 years.

- A. 42,300
- B. 40,300
- C. 40,800
- D. 41,800

**Q16** 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

A train running at a speed of 72 km per hour crosses a platform double its length in 15 seconds. What is the length of the platform (in meters)?

- A. 200
- B. 206
- C. 191
- D. 208



Q17 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

An amount of ₹11,800 is to be divided among A, B, and C such that the ratio of A's share to B's share is 3:4, and the ratio of B's share to C's share is 5:6. What is the difference between the shares of A and C?

A. ₹1,400

B. ₹1,600

C. ₹1,800



D. ₹1,200

Q18 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

A trader bought 80 kg of rice at ₹50 per kg and sold 60 kg at ₹65 per kg. He then sold the remaining rice at ₹40 per kg. What is the total profit from the transaction?

A. ₹700



B. ₹350

C. ₹900

D. ₹550

Q19 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

A circular grass lawn has a radius of 21 meters. A cow is tethered to a point strictly on the boundary (circumference) of this lawn with a rope of length 21 meters. What is the total area of the grass lawn that the cow can graze?

A. $441\pi - 220.5\sqrt{3} \text{ m}^2$ B. $147\pi - 220.5\sqrt{3} \text{ m}^2$ C. $294\pi - 441\sqrt{3} \text{ m}^2$ D. $294\pi - 220.5\sqrt{3} \text{ m}^2$ **Q20** 01/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

If a shopkeeper sells an article for ₹180 after buying it for ₹150, what is his percentage profit?

A. 10%

B. 20%



C. 28%

D. 25%

02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

20 questions

Q21 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

In an election, 60% of the eligible voters cast their vote. Candidate A receives 40% of the votes cast, and Candidate B receives the remaining votes. If the total number of eligible voters is 2,000, how many votes did Candidate B receive?

A. 600

B. 720



C. 800

D. 480

Q22 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

A man observes the top of a tower at an angle of elevation of 30° from a point on the ground. If he moves 20 m closer to the tower, the angle of elevation becomes 45° . What is the height of the tower? (Rounded off to two decimal places)

A. 27.32 m



B. 30.52 m

C. 24.32 m

D. 28.42 m

Q23 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

The diagonal of a rectangular field is 15 m, and its area is 108 square meters. What will be the total expenditure in fencing the field at the rate of ₹15 per meter?

A. ₹660

B. ₹630



C. ₹560

D. ₹650

Q24 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

A furniture set has a marked price of ₹3,000. It is sold after successive discounts of 20% and 25%. How much more or less is the total discount obtained through these successive discounts compared to a single discount of 40% on the marked price?

A. ₹80

B. ₹60

C. ₹50

D. ₹0



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Q25 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

Rishi had ₹1,353 with him. He divided it between his sons, Shan and Piyush, and asked them to invest their respective shares at a compound interest rate of 5% per annum, compounded annually. It was found that the amounts received by Shan after 16 years and by Piyush after 17 years were equal. How much (in ₹) did Rishi give to Piyush?

A. 793

B. 510

C. 693

D. 660

**Q26** 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

A trader buys 120 kg of rice at ₹60 per kg. He sells 40 kg at a profit of 25%, 50 kg at a profit of 10%, and the remaining quantity at a loss of 20%. Find his overall profit percentage.

A. 12.5%

B. 10%

C. 5%

D. 7.5%

**Q27** 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

Given the system of equations: $x + 2y + 3z = 9$, $2x + 3y + z = 8$, $3x + y + 2z = 7$, what is the value of y ?

A. 3

B. $\frac{2}{3}$ C. $\frac{5}{3}$ D. $\frac{4}{3}$ **Q28** 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

A trader marked the price of his commodity so as to include a profit of 20%. He allowed a discount of 12% on the marked price. Find the net profit of the trader.

A. 4.2%

B. 10.4%

C. 9.8%

D. 5.6%

**Q29** 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

A set of 3 numbers has a mean of 20. The numbers are 10, 20, and 30. Which of the options below is closest to the mean deviation about the mean for this set?

A. 10

B. 0.67

C. 6.67



D. 20

Q30 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

A shopkeeper buys a pen for Rs. 40 and sells it for Rs. 50. What is the percentage profit?

A. 10%

B. 30%

C. 20%

D. 25%

**Q31** 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

A circle is divided into four sectors. Three sectors have central angles of 60° , 90° , and 120° . If the area of the first sector with central angle 60° is 231 cm^2 . Find the area (in cm^2) of the fourth sector. (Rounded off to one decimal place)

A. 231.2

B. 346.5



C. 402.6

D. 308.5

Q32 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

A train running at a speed of 108 km per hour crosses a platform double its length in 21 seconds. What is the length of the platform (in meters)?

A. 421

B. 426

C. 413

D. 420

**Q33** 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

Find the sum of all two-digit numbers that are coprime to 15 and 21.

A. 2040

B. 1680

C. 1720

D. 2197



Q34 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

Three workers, X, Y, and Z, are assigned to paint a wall. X and Y work together on odd days, Z works alone on even days. If X can paint the wall in 12 days, Y in 24 days, and Z in 8 days working alone, how many days will it take to complete the wall under this arrangement?

A. 10

B. 8

C. 9

D. 7

Q35 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

A fruit seller sold 28 kg, 31 kg, 25 kg, and 32 kg of fruit over four consecutive days. How many kilograms must he sell on the fifth day to achieve an average sale of 30 kg over the five days?

A. 34 kg

B. 36 kg

C. 32 kg

D. 35 kg

Q36 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Gopal borrowed an amount of ₹340000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Gopal after 2 years.

A. 27,200

B. 28,200

C. 28,700

D. 26,700

Q37 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

The incomes of A and B are in the ratio 4:5. If A's income is ₹16,000, what is B's income?

A. ₹20,500

B. ₹18,000

C. ₹20,000

D. ₹22,000

Q38 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

Two runners, A and B, start together on a circular track and run in the same direction. If A runs at 6 m/s and B runs at 4 m/s, how long will it take for A to meet B again at the starting point if the track is 100 meters long?

A. 100 seconds

B. 200 seconds

C. 25 seconds

D. 50 seconds

Q39 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

The multiple pie charts represent the distribution of a library's annual budget across various categories for the years 2024 and 2025. The total budget allocated was ₹8,00,000 in 2024 and ₹10,00,000 in 2025, with the percentage distribution shown below: What is the percentage increase in the amount allocated to Digital Resources from 2024 to 2025? (Round off your answer to the nearest integer)

A. 78%

B. 88%

C. 208%

D. 108%

Q40 02/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

What is the simplified form of the expression $3x + 4x$?

A. $7x$ B. $12x$ C. $3x$ D. x 

Q41 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

A and B can complete a task in 12 days when working together. A alone can finish it in 18 days. If B works alone for 3 days and then A joins, how many days in total will it take to finish the entire task?

A. 8

B. 12

C. 14

D. 10

Q42 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

One side of a rhombus is 18 cm and one of its diagonals is 24 cm. What is the area of the rhombus?

A.

B.

C.

D.

Q43 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Given the equations: $2x + y - z = 5$, $x - 2y + 3z = -4$, and $3x + 4y + 2z = 10$, what is the value of z ?

A.

B.

C.

D.

Q44 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Find the simple interest (in ₹) on ₹2000 at 7.25% per annum rate of interest for the period from 11 February 2023 to 25 April 2023

A. 27

B. 28

C. 29

D. 30

Q45 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

In an election, Candidate A received 60% of the total votes, and Candidate B received the rest. If there were 1,000 votes in total, how many votes did Candidate B receive?

A. 300

B. 400

C. 500

D. 600

Q46 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Which pair of numbers below is coprime?

A. 35 and 48

B. 56 and 98

C. 30 and 45

D. 24 and 54

Q47 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Given the numbers 2, 4, 6, 8, what is the mean deviation from the mean?

A. 2

B. 1

C. 3

D. 4

Q48 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

The following pie charts show: Pie Chart I: Department-wise distribution of 700 employees in a company. Pie Chart II: Department-wise distribution of 288 female employees in the same company, correct to the nearest integer wherever necessary. How many male employees are working in the Technical department?

A. 258

B. 390

C. 159

D. 300

Q49 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

What is the simplified form of $(2a - 3b + c)(2a + 3b + c)$?

A. $4a^2 - 9b^2 + 4ac + c^2$ B. $4a^2 + 9b^2 + 2ac + c^2$ C. $4a^2 - 9b^2 + 2ac + c^2$ D. $4a^2 + 9b^2 + 4ac + 2c^2$ **Q50** 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

A shopkeeper buys 20 pens for Rs 100 and sells them for Rs 6 each. What is the total profit made on selling all the pens?

A. Rs 10

B. Rs 40

C. Rs 30

D. Rs 20



Q51 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

A shopkeeper marks a product at 50% above the cost price and offers a 20% discount. If the cost price is ₹100, what is the selling price?

A. ₹140

B. ₹120



C. ₹130

D. ₹125

Q52 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

If the radius of a circle is 7 cm, what is the approximate area of a sector with a central angle of 60°? [Use $\pi = 22/7$]

A. 77.00 square centimeters

B. 14.66 square centimeters

C. 25.67 square centimeters



D. 30.80 square centimeters

Q53 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Varun had ₹1365 with him. He distributed this amount between his sons Ashish and Arun and instructed them to invest their respective shares at a rate of 10% per annum, compounded annually. It was observed that the amounts received by Ashish after 14 years and Arun after 15 years were equal. Find the amount (in ₹) that Varun gave to Arun.

A. 815

B. 650



C. 715

D. 500

Q54 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

If 3 pencils cost 18 rupees, what is the cost of 1 pencil?

A. 3 rupees

B. 6 rupees



C. 12 rupees

D. 9 rupees

Q55 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

A cloud data center is offline on Mondays. From Tuesday through Sunday, the arithmetic mean number of requests processed per day is 15,640. From Tuesday through Saturday, the mean per day is 14,124. How many requests were processed on Sunday?

A. 15,640

B. 22,680

C. 23,220



D. 23,600

Q56 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

If two numbers a and b are prime numbers greater than 5, then which of the following statements is always true?

A. $a+b$ is always a non-composite number.

B. $a-b$ is always a prime number

C. $a+b$ is always divisible by 5

D. $a \times b$ is always odd and coprime with 10

**Q57** 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

A shop offers two successive discounts of 10% and 20% on a shirt. What is the net percentage discount given on the shirt?

A. 18%

B. 28%



C. 25%

D. 30%

Q58 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

A trader marks his goods 40% above the cost price and offers a 25% discount on the marked price. What is his profit percentage?

A. 10%

B. 12.5%

C. 15%

D. 5%

**Q59** 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

In a circular race, two runners start together from the same point and move in the same direction. If one runner completes a lap in 10 minutes and the other in 15 minutes, after how many minutes will they meet again at the starting point?

A. 25

B. 15

C. 10

D. 30

**Q60** 02/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

A train running at speed of 54 km per hour crosses a platform double its length in 42 seconds. What is the length of the platform in meters? 1

A. 420



B. 428

C. 423

D. 415



Q61 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

What is the mean deviation about the mean for the data set: 3, 4, 6, 7, 10?

A. 2



B. 1

C. 0.5

D. 1.5

Q62 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

The first pie chart shows the total number of students (8000) and the second pie chart shows the number of female students (3000) in a university distributed across five departments. Study the charts and answer the question that follows. What is the ratio of male students in the Science department to male students in the Arts department?

A. 27 : 16

B. 29 : 15

C. 31 : 13

D. 33 : 14

**Q63** 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

An amount of ₹1500 is divided between A and B in the ratio 2:3. What is B's share?

A. ₹1200

B. ₹900



C. ₹1000

D. ₹800

Q64 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

From a point on the ground 30 meters away from the foot of a vertical tower, the angle of elevation of the top of the tower is observed to be 30 degrees. What is the height of the tower?

A. $15\sqrt{3}$ metersB. $8\sqrt{3}$ metersC. $12\sqrt{3}$ metersD. $10\sqrt{3}$ meters**Q65** 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

The area of a sector of a circle is 15π sq. cm and the central angle it subtends is 54° . Find the radius of the circle.

A. 14 cm

B. 7 cm

C. 10 cm



D. 12 cm

Q66 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

In an election between Candidate A and Candidate B, 20% of the registered voters did not cast their votes, and 10% of the votes that were cast were declared invalid. Candidate A received 55% of the total valid votes and won the election by a margin of 2,880 votes over Candidate B. Determine the total number of registered voters.

A. 54,000

B. 48,000

C. 60,000

D. 40,000

**Q67** 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

A can do a piece of work in 10 days and B can do it in 15 days. They work on alternate days starting with A. In how many days will the work be completed?

A. 12



B. 11

C. 14

D. 13

Q68 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

Find the simple interest (in ₹) on ₹2000 at 7.25% per annum rate of interest for the period from 10 February 2023 to 24 April 2023

A. 29



B. 28

C. 30

D. 27



Q69 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

A quadrilateral ABCD has sides $AB = 8$ cm, $BC = 6$ cm, $CD = 6$ cm. What is the total area of the quadrilateral ABCD if the angles B and D are right-angles?

A. 68 cm^2 B. 48 cm^2 ✓C. 64 cm^2 D. 36 cm^2 **Q70** 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

If a pair of prime numbers (p, q) satisfies $p + q = k$, where k is also a prime number less than 50, which value must one of the numbers always take?

A. 5

B. 3

C. 7

D. 2 ✓

Q71 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

A train running at speed of 54 km per hour crosses a platform double its length in 27 seconds. What is the length of the platform in meters? 1

A. 264

B. 280

C. 270 ✓

D. 274

Q72 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

The cost price of 75 articles is equal to the selling price of 60 articles. What is the profit percentage?

A. 25% ✓

B. 20%

C. 10%

D. 30%

Q73 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

हिन्दी

यदि $x + y + z = 2$ और $xy + yz + zx = -5$ है, तो $x^2 + y^2 + z^2$ का मान ज्ञात कीजिए।

A. 14 ✓

B. 12

C. 16

D. 18

Q74 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

Two athletes A and B are running around a 400m circular track in the same direction with speeds of 5 m/s and 3 m/s respectively. After how much time will they meet for the first time?

A. 400 seconds

B. 200 seconds ✓

C. 300 seconds

D. 100 seconds

Q75 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

Mahesh had ₹1365 with him, which he divided between his two sons, Vijay and Ajay. He instructed them to invest their respective amounts at a rate of 10% per annum, compounded annually. It was observed that Vijay's investment grew to the same amount as Ajay's investment after 15 years and 16 years, respectively. How much (in ₹) did Mahesh give to Ajay?

A. 815

B. 500

C. 715

D. 650 ✓

Q76 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

A trader marks his goods at 20% above the cost price. He allows a discount of 10% on the marked price. What is his profit percentage?

A. ✓

B.

C.

D.

Q77 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

The average weight of 10 students is 40 kg. If a new student joins, the average weight becomes 41 kg. What is the weight (in kg) of the new student?

A. 49

B. 48

C. 50

D. 51 ✓



Q78 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

हिन्दी

बीजगणितीय व्यंजक $(a + b)^2 - (a - b)^2 - 4ab$ को सरल कीजिए।

- A. $2ab$
- B. $8ab$
- C. $4ab$
- D. 0 ✓

Q79 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

A shopkeeper buys an article for ₹4400 and sells it for ₹5500. What is his profit percentage?

- A. 30%
- B. 25% ✓
- C. 22%
- D. 20%

Q80 02/09/2026 5:00 PM - 6:40 PM | Numerical Aptitude

If a shopkeeper offers a discount of 20% on the marked price, followed by an additional 10% discount on the reduced price, what is the overall percentage discount on the original marked price?

- A. 25%
- B. 32%
- C. 30%
- D. 28% ✓

03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

20 questions

Q81 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

A rhombus has diagonals in the ratio 3:4 and its area is 1536 square meters. If the cost of fencing the entire perimeter is ₹25 per meter, what is the total fencing cost?

- A. ₹5,000
- B. ₹4,000 ✓
- C. ₹4,800
- D. ₹3,200

Q82 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

A and B together can complete a task in 12 days. After they work together for 6 days, B leaves, and A finishes the remaining work alone in 8 more days. How long would B alone take to finish the whole task?

- A. 48 days ✓
- B. 20 days
- C. 18 days
- D. 16 days

Q83 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

If what is the value of x?

- A. 10
- B. 15 ✓
- C. 12
- D. 30

Q84 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

Two pie charts represent the sales of different products in two companies, A and B. If Company A has total sales of ₹1,00,000 and Company B has total sales of ₹80,000, find the difference between the sales of product X in company A and Company B.

- A. ₹3,000
- B. ₹4,000
- C. ₹5,000
- D. ₹12,000 ✓

Q85 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

A sector of a circle with a radius of 10 cm subtends a central angle of . What is the length of the arc of the sector?

- A.
- B. ✓
- C.
- D.



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Q86 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

A train running at a speed of 54 km per hour crosses a platform double its length in 19 seconds. What is the length of the platform (in meters)?

- A. 187
- B. 186
- C. 193
- D. 190

**Q87** 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

In an election contested by two candidates, 10% of the registered voters did not vote, and all the votes cast were valid. The winning candidate received 60% of the total valid votes and defeated the other candidate by 3600 votes. Find the total number of registered voters.

- A. 24,000
- B. 20,000
- C. 30,000
- D. 25,000

**Q88** 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

A television is marked at ₹60,000. During a festive offer, a store gives a 15% discount. An additional discount of 12% is offered on the reduced price for members. After applying both discounts, a 5% GST is added on the final discounted price. What is the final amount the customer has to pay?

- A. ₹47,916
- B. ₹48,246
- C. ₹48,000
- D. ₹47,124

**Q89** 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

A shopkeeper marks the price of a shirt at ₹800. He allows a discount of 10% on it. What is the selling price of the shirt?

- A. ₹700
- B. ₹710
- C. ₹720
- D. ₹730

**Q90** 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Ashish borrowed an amount of ₹3,60,000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Ashish after 3 years.

- A. 44,200
- B. 43,200
- C. 44,700
- D. 42,700

**Q91** 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

A man observes the top of a tower at an angle of elevation of from a point 20 meters away from its base. What is the height of the tower?

- A. 40 meters
- B. 10 meters
- C. 20 meters
- D. 30 meters

**Q92** 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

Given the data set: 3, 7, 8, 10, 12, what is the mean deviation from the mean?

- A. 3.2
- B. 2.4
- C. 2.0
- D. 1.8

**Q93** 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

What is the simplified form of the expression $2x + 3x$?

- A. x
- B. $6x$
- C. $5x$
- D. $2 \times 3x$

**Q94** 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

Two runners begin a circular race simultaneously from the same point and run in opposite directions. One runner completes a lap in 6 minutes, while the other takes 8 minutes. How long after starting will they meet for the first time approximately?

- A. 4 min 26 sec
- B. 4 minutes
- C. 3 min 26 sec
- D. 3 minutes



Q95 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

Mahesh has ₹1,353 with him. He divides it between his sons, Vijay and Ajay, and asks them to invest their respective shares at an annual compound interest rate of 5%, compounded annually. It is found that the amounts received by Vijay after 12 years and by Ajay after 13 years are equal. How much (in ₹) did Mahesh give to Ajay?

A. 660



B. 693

C. 793

D. 510

Q96 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

Two types of oils of cost price ₹108 and ₹118 per liter are mixed in the ratio 14 : 11. If the selling price is ₹118.02 per liter, then find the percentage of the profit.

A. 6.1%

B. 7%

C. 5%



D. 4.5%

Q97 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

A shopkeeper buys 20 pens for Rs. 100 and sells all of them for Rs. 120. What is the profit percentage on the transaction?

A. 20



B. 25

C. 30

D. 10

Q98 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

Consider the following system of linear equations: $x + y + z = 6$
 $2x - y + z = 3$
 $x + 2y - z = 2$ Find the value of x.

A. 2

B. 1



C. 0

D. 3

Q99 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

If a shopkeeper buys a pen for Rs 40 and sells it for Rs 50, what is the profit percentage?

A. 20 percent

B. 25 percent



C. 10 percent

D. 50 percent

Q100 03/09/2026 9:00 AM - 11:00 AM | Numerical Aptitude

If Sia lists all numbers less than 36 that are coprime to 36, how many numbers will she have on her list?

A. 12



B. 18

C. 24

D. 10

03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

20 questions

Q101 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

A train running at a speed of 54 km per hour crosses a platform double its length in 13 seconds. What is the length of the platform (in meters)?

A. 120

B. 139

C. 132

D. 130

**Q102** 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

A regular hexagon is inscribed in a circle of radius 10 cm. What is the area of the hexagon?

A. $144\sqrt{3}$ sq. cm

B. $120\sqrt{3}$ sq. cm

C. $180\sqrt{3}$ sq. cm

D. $150\sqrt{3}$ sq. cm



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Q103 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

A dishonest dealer claims to sell his goods at cost price, but he uses a false weight of 2400 grams for a 3 kg weight. What is his actual gain percentage?

- A. 40%
- B. 30%
- C. 20%
- D. 25%

**Q104** 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

In an election, Candidate A secured 40% of the total valid votes. If 20% of the 10000 votes cast were invalid, how many valid votes did Candidate B receive, assuming there were only two candidates?

- A. 4000
- B. 4800
- C. 5000
- D. 8000

**Q105** 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

By selling a watch for ₹720, a man incurs a loss of 10%. At what price should he sell it to make a gain of 10%?

- A. ₹850
- B. ₹880
- C. ₹900
- D. ₹800

**Q106** 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

At a certain time of day, the length of the shadow of a tower is exactly $\sqrt{3}$ times its actual height. What is the angle of elevation of the sun at that moment?

- A. 75°
- B. 30°
- C. 45°
- D. 60°

**Q107** 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Find the mean deviation about the median for the following data: 2, 4, 7, 8, 9.

- A. 1
- B. 2
- C. 1.5
- D. 2.2

**Q108** 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Nitin has ₹1,353 with him. He divided the amount between his sons, Pravin and Rishi, and asked them to invest their respective shares at an annual compound interest rate of 5%, compounded annually. It was found that the amounts received by Pravin after 13 years and by Rishi after 14 years were equal. How much (in ₹) did Nitin give to Rishi?

- A. 693
- B. 510
- C. 793
- D. 660

**Q109** 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

The marked price of an article is 60% above its cost price. A discount of 25% is given on the marked price. If the cost price is ₹800, find the profit percentage.

- A. 15%
- B. 25%
- C. 20%
- D. 30%

**Q110** 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Two cyclists start simultaneously from the same point on a circular track of length 1200 m at speeds of 10 m/s and 15 m/s, but in opposite directions. After how much time will they cross each other for the first time?

- A. 68 seconds
- B. 60 seconds
- C. 40 seconds
- D. 48 seconds

**Q111** 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

The average height of 40 players in a basketball team is recorded as 175 cm. However, it was later discovered that two players' heights were recorded as 180 cm instead of 170 cm, and one player's height was noted as 160 cm instead of 190 cm. What is the correct average height (in cm) of the team?

- A. 174.75
- B. 177.35
- C. 176.02
- D. 175.25



Q112 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Find the solution of the following system of equation. $4x + 7y + 11z = 45$ $11x + 13y - 5z = -143$ $22x + 25y + 12z = 3$

- A. $x = 20$, $y = -21$, and $z = 19$
- B. $x = 12$, $y = -15$, and $z = 12$
- C. $x = 22$, $y = -25$, and $z = 12$ ✓
- D. $x = -25$, $y = 21$, and $z = -19$

Q113 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Two arcs of equal length subtend angles of 60° and 75° at the centers of two distinct circles. What is the ratio of their radii?

- A. 4 : 3
- B. 5 : 4 ✓
- C. 4 : 5
- D. 3 : 4

Q114 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

The first pie chart shows the total number of students (8000) in a university distributed across five departments. The second pie chart shows the distribution of female students (3000) across the same departments. What percentage of the students in the Commerce department are female?

- A. 35%
- B. 40%
- C. 30% ✓
- D. 25%

Q115 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Worker P takes 12 days, Q takes 16 days, and R takes 24 days to finish a task independently. They work in shifts such that P works on Day 1, Q on Day 2, and R on Day 3, and this pattern repeats. How many days will it take to finish the work?

- A. 12
- B. 15
- C. 15.75 ✓
- D. 15.5

Q116 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Let p and q be two distinct prime numbers strictly greater than 3. What is the remainder when $p^2 - q^2$ is divided by 24?

- A. 1
- B. 2
- C. 3
- D. 0 ✓

Q117 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

The ratio of the ages of A and B is 3:4. If the sum of their ages is 35 years, what is the age of A?

- A. 12 years
- B. 15 years ✓
- C. 18 years
- D. 21 years

Q118 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

If $x + \frac{1}{x} = 11$, then find the value of $x^3 + \frac{1}{x^3}$.

- A. 1024
- B. 1298 ✓
- C. 1098
- D. 1198

Q119 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

A dealer makes a profit of 33% on selling an article at successive discounts of 5% and 15%. Find the profit percent (rounded off to 2 decimal places), if the same article is sold at a discount of 10%.

- A. 34.42%
- B. 52.48%
- C. 43.34%
- D. 48.24% ✓

Q120 03/09/2026 1:00 PM - 4:00 PM | Numerical Aptitude

Two banks, A and B, offered loans at 3.5% and 7.5% per annum, respectively. Manjit borrowed an amount of ₹360000 from each bank. Find the positive difference (in ₹) between the amounts of simple interest paid to the two banks by Manjit after 2 years.

- A. 29800
- B. 28800 ✓
- C. 30300
- D. 28300



Q121 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

If a 1728 metre long train crosses a pole in 192 seconds, then find the time (in seconds) taken by the train to cross a 765 metre long platform.

A. 275

B. 284

C. 277



D. 269

Q122 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

The sum of two prime numbers is 85. If one of the prime numbers is greater than 30, then how many possible pairs of prime numbers satisfy this condition?

A. 3

B. 2

C. 4

D. 1

**Q123** 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

A wholesaler purchases 80 electronic accessories at the rate of ₹1,250 each. He sells 50 accessories at a profit of 20% and the remaining accessories at a loss of 10%. What is his overall profit or loss percentage on the entire transaction?

A. Profit of 8.75%



B. Loss of 8.75%

C. Profit of 6.75%

D. Loss of 6.75%

Q124 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

A fitness coach recorded the number of push-ups completed by six participants as 18, 20, 24, 28, 30, and 36. What is the mean deviation about the mean? (Round off your answer to two decimal places.)

A. 4.44

B. 6.67

C. 3.56

D. 5.33

**Q125** 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

If a sum of ₹5,00,000 is invested for a year at 6% per annum compounded half yearly, then find the compound interest.

A. ₹29,042

B. ₹30,142

C. ₹30,450



D. ₹29,166

Q126 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

The two pie charts below show expense allocation of a firm in the years 2021 and 2022. The expenses were ₹32,000 in 2021 and ₹40,000 in 2022. What was the total amount spent on Miscellaneous for both years combined?

A. ₹11,000

B. ₹9,000



C. ₹8,000

D. ₹10,500

Q127 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

A and B together can complete a piece of work in 10 days. They work together for the first 4 days. After that, A and B work on alternate days, starting with A. If A and B have equal efficiency, in how many days in total will the work be completed?

A. 12 days

B. 18 days

C. 15 days

D. 16 days

**Q128** 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

In an election contested by two candidates, 80% of the registered voters participated in the voting process, and all the votes cast were valid. One candidate secured 55% of the total votes polled and defeated the other candidate by a margin of 1,200 votes. Find the total number of registered voters.

A. 35,000

B. 12,000

C. 15,000



D. 25,000



Q129 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

A fashion store displays a premium jacket with a marked price of ₹8,000. During a festive sale, the store offers two successive discounts of 15% and 10% on the marked price. If the store purchased the jacket for ₹5,800, what is the profit percentage earned by the store after selling it? (Round off your answer to two decimal places.)

A. 5.52%



B. 6.67%

C. 7.14%

D. 4.44%

Q130 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

A circular garden has a radius of 14 m. A sector of the garden subtends an angle of 135° at the centre. Find the area of the sector.

A. 221 m²

B. 331 m²

C. 231 m²



D. 330 m²

Q131 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

Simplify the following expression: $(7 \times 2 + 5x - 3) + 2(2 \times 2 - x + 4)$

A. $11 \times 2 + 4x + 5$

B. $11 \times 2 + 3x + 5$



C. $11 \times 2 + 4x + 8$

D. $11 \times 2 + 3x + 8$

Q132 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

A designer creates a kite-shaped exhibition area ABCD. The diagonals of the kite are perpendicular to each other. The longer diagonal AC is divided by the shorter diagonal BD into two parts of lengths 18 m and 12 m, while the length of BD is 20 m. A circular stage of area 154 m^2 is built inside the exhibition area. What is the remaining area available for visitors?

A. 246 m²

B. 146 m²



C. 136 m²

D. 256 m²

Q133 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

If the values of x, y and z satisfy the following equations: $3x + 4y - 2z = 5$ $2x - 3y + 4z = 8$ $x + 5y + 3z = 20$ then the value of xyz is:

A. 6



B. 5

C. 9

D. 3

Q134 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

A smart irrigation system uses 18 litres of water to irrigate 6 rows of plants in a greenhouse. If the water requirement remains proportional, how much water will be needed to irrigate 15 rows of plants?

A. 45 litres



B. 55 litres

C. 40 litres

D. 50 litres

Q135 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

A tree casts a shadow 12 meters long when the angle of elevation of the sun is 45° . What is the height of the tree?

A.

B.

C.



D.

Q136 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

A retailer buys 100 branded water bottles at ₹150 each. Due to damaged packaging, he sells each bottle for ₹135. Find the overall loss percentage.

A. 10%



B. 5%

C. 15%

D. 20%

Q137 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

The average of 8 numbers is 51. If each number is increased by 4, what will the new average be?

A. 8

B. 51

C. 55



D. 59



Q138 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

Two runners start simultaneously from the same point on a circular track of length 720 m and run in opposite directions. Their speeds are 8 m/s and 4 m/s, respectively. After how much time will they meet for the first time?

A. 30 seconds

B. 40 seconds

C. 60 seconds



D. 50 seconds

Q139 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

The simple interest on a certain sum for $7\frac{5}{6}$ years at the rate of 3.5% per annum is ₹1,974.

What will be the amount payable on the same sum at the rate of 4.5% per annum simple interest in $3\frac{1}{4}$ years?

A. ₹8,253



B. ₹8,233

C. ₹8,242

D. ₹8,263

Q140 18/09/2026 9:00 AM - 10:40 AM | Numerical Aptitude

A shopkeeper marks the price of an article at ₹1,950. He allows a 12% discount on the marked-price. What is the selling price (in ₹) of the article?

A. 1,716



B. 1,671

C. 1,761

D. 1,617

18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

20 questions

Q141 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

Let p, q, and r be three distinct prime numbers such that $p < q < r$ and $p + q + r = 82$. It is given that $(q - p)$ is also a prime number. What is the sum of all possible values of q?

A. 41

B. 39



C. 43

D. 37

Q142 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

In a college election between two candidates, Aman and Brijesh, 15% of the registered voters did not cast their votes, and 80 votes were declared invalid. Aman secured 45% of the total registered voters and defeated Brijesh by a margin of 280 votes. How many valid votes were polled in favor of Brijesh?

A. 1800

B. 1500

C. 1520



D. 1200



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Q143 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

Karan and Arjun start running simultaneously from the exact same point on a circular track of length 1200 meters. Karan's speed is 5 m/s and Arjun's speed is 3 m/s. If they run in opposite directions, after how much time will they meet for the first time?

A. 150 seconds



B. 200 seconds

C. 120 seconds

D. 180 seconds

Q144 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

A food processing unit mixes 500 g of a special spice blend with 8 kg of raw material to maintain the required taste. If the unit needs to process 20 kg of raw material, how much spice blend will be required in the same proportion?

A. 1.75 kg

B. 0.75 kg

C. 1.25 kg



D. 1.50 kg

Q145 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

A stationary shop sells pens, pencils, and erasers. • The cost of 3 pens, 2 pencils, and 4 erasers is ₹58. • The cost of 4 pens, 3 pencils, and 2 erasers is ₹66. • The cost of 2 pens, 4 pencils, and 3 erasers is ₹56. What is the total combined cost of exactly 1 pen, 1 pencil, and 1 eraser?

A. ₹20



B. ₹26

C. ₹22

D. ₹24

Q146 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

The length of an arc of a circle is 22 cm and it subtends an angle of 60° at the centre. Find the radius of the circle.

A. 14 cm

B. 7 cm

C. 21 cm



D. 27 cm

Q147 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

A shopkeeper buys a smartphone for ₹12,500. He spends ₹500 on its packaging and transportation. If he sells the smartphone for ₹15,600, what is his profit percentage?

A. 15%

B. 25%

C. 20%



D. 30%

Q148 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

The daily wages (in ₹) of 5 workers in a factory are 400, 450, 500, 550, and 600. What is the mean deviation about the mean for this specific data set?

A. 50

B. 60



C. 55

D. 65

Q149 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

Manish travels from City A to City B. If he drives his car at one-fourth of his normal speed, he takes 48 minutes more to reach City B. Find the time (in minutes) that Manish would have taken to travel from City A to City B if he had driven at his normal speed.

A. 22

B. 15

C. 16



D. 12

Q150 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

A fruit vendor bought a certain number of apples. By selling 45 apples, he receives an amount equal to the cost price of 60 apples. However, 10% of the apples he bought got spoiled and had to be discarded. If he sells the remaining apples at the same selling price per apple, what is his overall profit or loss percentage?

A. 10% Profit

B. 25% Profit

C. 15% Profit

D. 20% Profit



Q151 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

The simple interest on a certain sum for $9\frac{1}{2}$ years at the rate of 6.4% per annum is ₹6,916.

What will be the amount payable on the same sum at the rate of 3.2% per annum simple interest in $2\frac{5}{7}$ years?

A. ₹12,363



B. ₹12,358

C. ₹12,345

D. ₹12,368

Q152 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

If $2x + \frac{1}{x} = 7$, what is the exact value of $4x^2 + \frac{1}{x^2}$?

A. 35

B. 50

C. 40

D. 45



Q153 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

The pie charts show the monthly expenditure distribution of House A and House B. Their monthly expenditures are ₹80,000 and ₹1,00,000, respectively. In the following month, the monthly income of House A increases by 10% and that of House B by 20%. The share of Rent increases to 30% for House A and 40% for House B in that month. Assuming each house spends its entire monthly income in each month, what is the positive difference between the expenses on rent of House A and House B in the second month mentioned above?

A. ₹26,400

B. ₹18,400

C. ₹24,000

D. ₹21,600



Q154 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

Three software development teams A, B, and C can individually complete a project in 18 days, 24 days, and 36 days, respectively. The work starts with Team A on the first day, Team B on the second day, and Team C on the third day, and this sequence repeats. After completing three full three-day cycles, Team A withdraws from the project. Thereafter, only Teams B and C continue working alternately, maintaining the same order. Find the total time required to complete the entire project.

A. 24 days

B. 18 days

C. 30 days

D. 27 days



Q155 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

The average of 8 numbers is 49. If each number is increased by 3, what will be the new average?

A. 46

B. 49

C. 52



D. 47

Q156 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

A retailer marks a toy at ₹400. He allows a discount of 15% on the marked price and then charges 5% GST on the discounted price. What is the final amount paid by the customer (in ₹)?

A. 360

B. 357



C. 342

D. 346

Q157 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

An isosceles trapezium ABCD has parallel sides AB and CD with lengths 12 cm and 20 cm, respectively. The lengths of the non-parallel sides AD and BC are 10 cm each. What is the area of the quadrilateral formed by joining the midpoints of the adjacent sides of this trapezium?

A. $16\sqrt{21}$ cm²



B. $32\sqrt{21}$ cm²

C. $24\sqrt{21}$ cm²

D. $20\sqrt{21}$ cm²



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Q158 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

A person standing 40 m away from the base of a building observes the angle of elevation of the top of the building as 60° . If the height of the person's eye from the ground is 1.5 m, find the height (in m) of the building.

A.

B.

C. ☒

D.

Q159 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

An electronic store offers three successive discounts of 20%, 15%, and $x\%$ on a laptop whose marked price is ₹80,000. If the final selling price of the laptop is ₹48,960, what is the value of x ?

A. 15

B. 12

C. 11

D. 10 ☒

Q160 18/09/2026 1:00 PM - 2:40 PM | Numerical Aptitude

A person borrows a certain sum from the market at 20% per annum, compounded annually. He then lends out the same sum on compound interest, compounded semi-annually, to another person at the same rate of interest. If after a year he earns a profit of ₹560, find the sum (in ₹) borrowed.

A. 56,000 ☒

B. 60,500

C. 62,450

D. 58,750



1 B	2 C	3 A	4 A	5 A	6 C	7 D	8 A	9 D	10 A	11 A	12 C	13 D
14 C	15 C	16 A	17 C	18 A	19 D	20 B	21 B	22 A	23 B	24 D	25 D	26 D
27 C	28 D	29 C	30 D	31 B	32 D	33 D	34 B	35 A	36 A	37 C	38 D	39 D
40 A	41 C	42 C	43 B	44 C	45 B	46 A	47 A	48 C	49 A	50 D	51 B	52 C
53 B	54 B	55 C	56 D	57 B	58 D	59 D	60 A	61 A	62 D	63 B	64 D	65 C
66 D	67 A	68 A	69 B	70 D	71 C	72 A	73 A	74 B	75 D	76 A	77 D	78 D
79 B	80 D	81 B	82 A	83 B	84 D	85 B	86 D	87 B	88 D	89 C	90 B	91 C
92 B	93 C	94 C	95 A	96 C	97 A	98 B	99 B	100 A	101 D	102 D	103 D	104 B
105 B	106 B	107 D	108 D	109 C	110 D	111 D	112 C	113 B	114 C	115 C	116 D	117 B
118 B	119 D	120 B	121 C	122 D	123 A	124 D	125 C	126 B	127 D	128 C	129 A	130 C
131 B	132 B	133 A	134 A	135 C	136 A	137 C	138 C	139 A	140 A	141 B	142 C	143 A
144 C	145 A	146 C	147 C	148 B	149 C	150 D	151 A	152 D	153 D	154 D	155 C	156 B
157 A	158 C	159 D	160 A									

