

Equations

PYQs

Unacademy Learners set new records in CA Exams 2023



CA Foundation Dec'23 Results

357
MARKS



Princi Khemasara

Plus Learner

345
MARKS



Bhumika Goel

Plus Learner

349
MARKS



Yash Wadhwa

Plus Learner

900+

Learners
Qualified

130+

Learners scored
300+ Marks
out of 400 Marks

357 /400

Top Scorer

CA Intermediate Nov'23 Results

AIR
24



Mayank Jain

Plus Learner

AIR
30



Dishank Jain

Plus Learner

AIR
40



Bhavishya

Plus Learner

4

All India Ranks
in Top 50

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out of 800 Marks

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Learners
Qualified



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Advanced Accounting

CA Kishan Kumar
Taxation & SM

CA CS Shantanu Gupta
Law

CA Aditya Sharma
Costing & FM

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NOV-23



NOV-22 & MAY-23

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Chapter wise Coverage

DATES

16th February

18th February

20th February

22nd February

24th February

26th February

SUBJECTS

Advanced Accounting

Corporate and Other Laws

Taxation

Costing

Auditing and Ethics

FM and SM

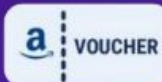
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= 20 MARKS

| 7 PM
| 30 Mins
| 20 MCQs



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CA Nakul Katheria
Accounting

Shivani Sharma
Quantitative
Aptitude

CA CS Shantam Gupta
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Economics

MahaSankalp

NEW SYLLABUS

CA Foundation June 2024

**Batch
Start Date 15th Feb**

CA Foundation Dec'23 Results

**345
MARKS**



Bhumika Goel
Plus Learner

**357
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Princi Khemasara
Plus Learner

**349
MARKS**



Yash Wadhwa
Plus Learner

900+

Learners Qualified

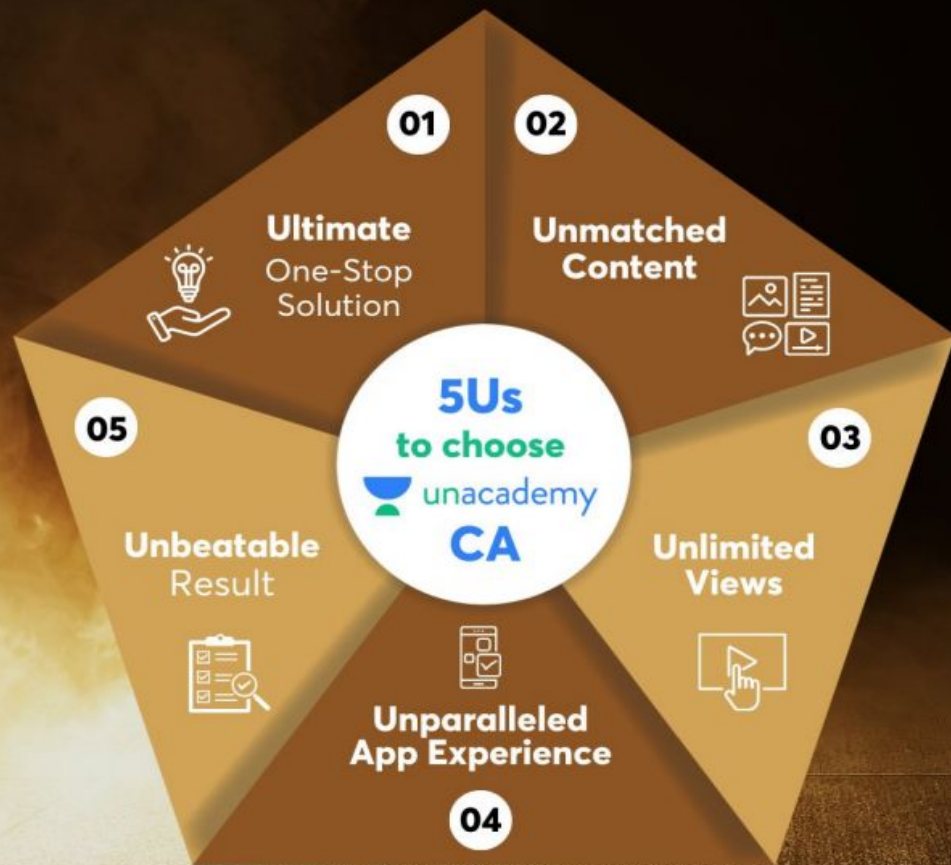
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Top Scorer

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Learners scored
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out of 400

**CA Foundation
Starts 16th Feb**



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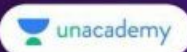
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Chapterwise Coverage

DATES

16th February

18th February

20th February

22nd February

SUBJECTS

Accounting

Business Law

Quantitative Aptitude

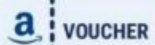
Business Economics

TOTAL
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CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 1. If the length of a rectangle is 5 cm more than the breadth and if the perimeter of the rectangle is 40 cm, then the length & breadth of the rectangle will be:

- a. 7.5 cm, 2.5 cm
- b. 10 cm, 5 cm
- c. 12.5 cm, 7.5 cm
- d. 15.5 cm, 10.5 cm

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 2. Roots of the equation $3x^2 - 14x + k = 0$ will be reciprocal of each other if

- a. $k = -3$
- b. $k = 0$
- c. $k = 3$
- d. $k = 14$

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 3. If the ratio of $(5x - 3y)$ and $(5y - 3x)$ is $3 : 4$, then the value of $x : y$ is

- a. $27 : 29$
- b. $29 : 27$
- c. $3 : 4$
- d. $4 : 3$

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 4. If roots of equation $x^2 + x + r = 0$ are ' α ' and ' β ' and $\alpha^3 + \beta^3 = -6$. Find the value ' r '?

- a. $-5/3$
- b. $7/3$
- c. $-4/3$
- d. 1

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 5. If one root of the Equation $px^2 + qx + r = 0$ is r then other root of the Equation will be

- a. $1/q$
- b. $1/r$
- c. $1/p$
- d. $\frac{1}{p+q}$

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 6. If p & q are the roots of the Equation $x^2 - bx + C = 0$, then what is the Equation whose roots are $(pq + p + q)$ and $(pq - p - q)$?

- a. $x^2 - 2cx + c^2 - b^2 = 0$
- b. $x^2 - 2bx + c^2 + b^2 = 0$
- c. $8cx^2 - 2(b+c)x + c^2 = 0$
- d. $x^2 + 2bx - (c^2 - b^2) = 0$

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 7. If $\log_{10} 5 + \log_{10} (5x + 1) = \log_{10} (x + 5) + 1$ then, the value of x

- a. 7
- b. 3
- c. 5
- d. 10

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 8. Roots of equation $2x^2 + 3x + 7 = 0$ are α and β . The value of $\alpha\beta^{-1} + \beta\alpha^{-1}$ is

- a. 2
- b. $3/7$
- c. $7/2$
- d. $-19/14$

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 9. If α and β are the roots of the equation $x^2 + 7x + 12 = 0$, then the equation whose roots $(\alpha + \beta)^2$ and $(\alpha - \beta)^2$ will be

- a. $x^2 - 14x + 49 = 0$
- b. $x^2 - 24x + 144 = 0$
- c. $x^2 - 50x + 49 = 0$
- d. $x^2 - 19x + 144 = 0$

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 10. The equation $x + 5y = 33$; $(x+y)/(x-y) = 13/3$ has the solution (x, y) as

- a. (8 ,5)
- b. (5, 5)
- c. (4, 16)
- d. (16, 4)

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 11. If α and β be the roots of the quadratic equation $2x^2 - 4x = 1$, the

value of $\frac{\alpha^2}{\beta} + \frac{\beta^2}{\alpha}$ is

- a. -11
- b. 22
- c. -22
- d. 11

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 12. If, $2^{x+y} = 2^{2x-y} = \sqrt{8}$ then the respective values of x and y are

- a. 1, 1/2
- b. 1/2, 1
- c. 1/2, 1/2
- d. None of these

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 13. If $u^{5x} = v^{5y} = w^{5z}$ and $u^2 = vw$, then the value of $xy + xz - 2yz$ will be

- a. 5
- b. 2
- c. 1
- d. 0

MATHS

CA FOUNDATION

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Shivani
Sharma

Que 14. If $\frac{3}{x+y} + \frac{2}{x-y} = -1$ and $\frac{1}{x+y} - \frac{1}{x-y} = \frac{4}{3}$ then (x, y) is

- a. 2, 1
- b. 1, 2
- c. -1, 2
- d. -2, 1

MATHS

CA FOUNDATION

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Shivani
Sharma

Que 15. Find value of $x^2 - 10x + 1$ if $x = \frac{1}{5-2\sqrt{6}}$

- a. 25
- b. 1
- c. 0
- d. 49

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 16. Solving equation $m + \sqrt{m} = 6/25$, the value of m works out to

- a. $1/25$
- b. $2/25$
- c. $3/25$
- d. 1

MATHS

CA FOUNDATION

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Shivani
Sharma

Que 17. If α and β are the roots of the equation $2x^2 + 5x + k = 0$, and $4(\alpha^2 + \beta^2 + \alpha\beta) = 23$, then which of the following is true?

- a. $k^2 + 3k - 2 = 0$
- b. $k^2 - 2k + 3 = 0$
- c. $k^2 - 2k - 3 = 0$
- d. $k^2 - 3k + 2 = 0$

MATHS

CA FOUNDATION

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Shivani
Sharma

Que 18. If the square of a number exceeds twice of the number by 15, then number that satisfies the condition is

- a. -5
- b. 3
- c. 5
- d. 15

MATHS

CA FOUNDATION

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Shivani
Sharma

Que 19. If the roots of the equation $x^2 - px + q = 0$ are in the ratio $2 : 3$, then

- a. $p^2 = 25q$
- b. $p^2 = 6q$
- c. $6p^3 = 5q$
- d. $6p^2 = 25q$

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 20. If one root is half of the other of a quadratic equation and the difference in roots is a , then the equation is

- a. $x^2 + ax + 2a^2 = 0$
- b. $x^2 - 3ax - 2a^2 = 0$
- c. $x^2 - 3ax + 2a^2 = 0$
- d. $x^2 + 3ax - 2a^2 = 0$

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 21. A seller makes an offer of selling certain articles that can be described by the equation $x = 25 - 2y$ where 'x' is the price per unit and 'y' denotes the number of unit. The cost price of the article is ₹ 10 per unit. The maximum quantity that can be offered in a single deal to avoid loss is

- a. 6
- b. 7
- c. 8
- d. 9

MATHS

CA FOUNDATION

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Shivani
Sharma

Que 22. The number of students in each section of a school is 36. After admitting 12 new students, four new sections were started. If total number of students in each section now is 30, than the number of sections initially were

- a. 6
- b. 10
- c. 14
- d. 18

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 23. A person on a tour has ₹ 9,600 for his expenses. If his tour is extended by 16 days, he has to cut down his daily expenses by ₹ 20, his original duration of tour had been

- a. 48 days
- b. 64 days
- c. 80 days
- d. 96 days

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 24. The present age of a man is 8 years more than thrice the sum of the ages of his two grandsons who are twins. After 8 years, his age will be 10 years more than twice the sum of the ages of his grandsons. The age of a man when his grandsons were born was

- a. 86 years
- b. 73 years
- c. 68 years
- d. 63 years

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 25. A cottage industry produces a certain number of pottery articles in a day. It was observed on a particular day that the cost of each article (in ₹) was 2 more than thrice the number of articles produced on that day. If the total cost of production on that day was ₹ 800, the number of articles produced was

- a. 14
- b. 16
- c. 12
- d. 18

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 26. If the sides of an equilateral triangle are shortened by 3 units, 4 units and 5 units respectively and a right triangle is formed, then the side of an equilateral triangle is

- a. 6 units
- b. 7 units
- c. 8 units
- d. 10 units

MATHS

CA FOUNDATION

CODE : SS12



Shivani
Sharma

Que 27. A number consists of two digits such that the digit in one's place is thrice the digit in ten's place. If 36 be added then the digits are reversed. Find the number

- a. 62
- b. 26
- c. 39
- d. None of these

MATHS

CA FOUNDATION

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Shivani
Sharma

Que 28. The cost of 2 oranges and 3 apples is ₹ 28. If the cost of an apple is doubled then the cost of 3 oranges and 5 apples is ₹ 75. The original cost of 7 oranges and 4 apples (in ₹) is

- a. 59
- b. 47
- c. 71
- d. 63

MATHS

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Shivani
Sharma

Que 29. In a multiple choice question paper consisting of 100 questions of 1 mark each, a candidate gets 60% marks. If the candidate attempted all questions and there was a penalty of 0.25 marks for wrong answer, the difference between number of right answers and wrong answers is:

- a. 32
- b. 36
- c. 40
- d. 38

MATHS

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Shivani
Sharma

Que 30. The age of a person is four times the sum of the ages of his two sons. After 10 years his age will be 2 times of the sum of their ages. Then the present age of the man is

- a. 56 years
- b. 45 years
- c. 60 years
- d. 64 years

MATHS