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GATE 2021

GENERAL APTITUDE

धमाकेदार ट्रिक के साथ 🔥🔥

DATA INTERPRETATION -2,
PIE CHART



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AVINASH SINGH SIR

GATE | EE (CE)



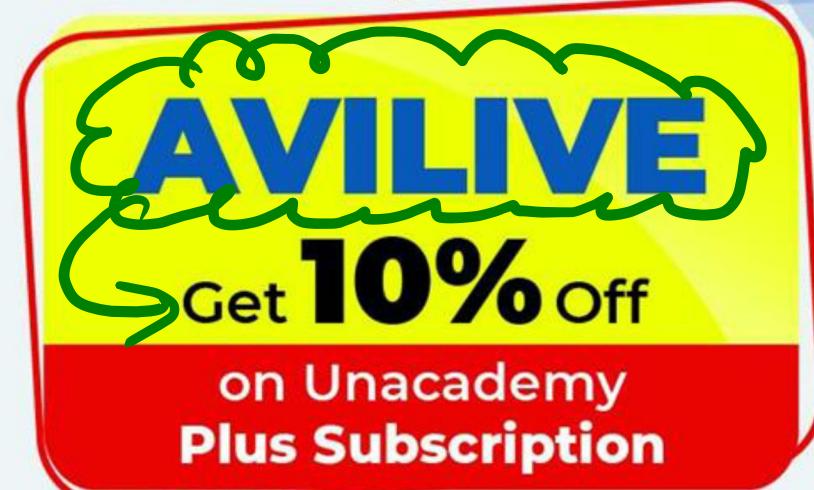
Secured Score 99.86% in
CAT (Quantitative Section)



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GATE, ESE & PSUs



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Engineering Mathematics
Digital Electronics



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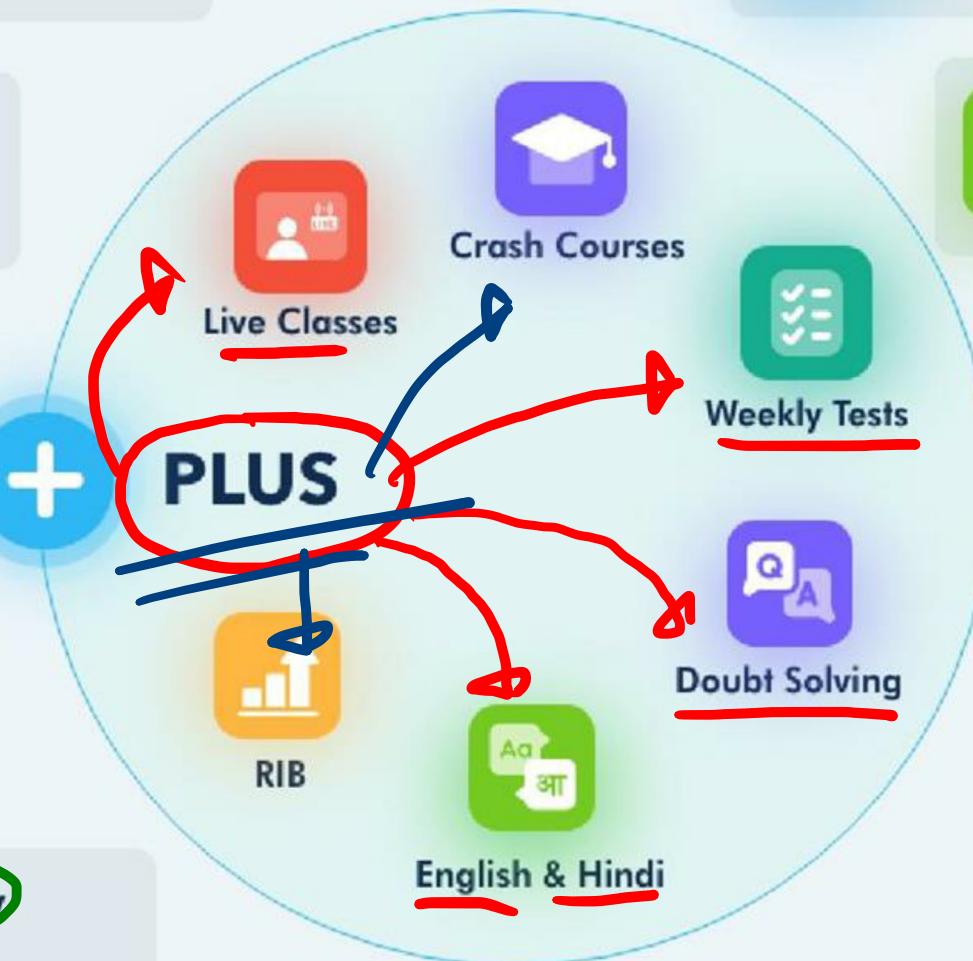
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ESE
PSUs
ISRO
BARC

Plus Batches Taken by Top Educators



Civil Engg

A smartphone screen displaying a list of Unacademy batches for Civil Engineering. The first batch, 'Doubt Clearing Batch for GATE 2021 (Civil)', is highlighted with a yellow checkmark and circled in blue. It includes four student profiles and is available in both Hindi and English. The second batch, 'Spark ESE Prelims 2021 (Civil) - Batch A (English)', is also shown with three student profiles and English language support. The third batch, 'Target ESE Prelims 2021 (Civil) - Batch C', is shown with four student profiles and supports both English and Hindi.

BATCH

HINDI ENGLISH

Doubt Clearing Batch for GATE 2021 (Civil)

Started on Oct 19

Anirudh Singh Rathore and 2 more

A smartphone screen displaying a list of Unacademy batches for Civil Engineering. The second batch, 'Spark ESE Prelims 2021 (Civil) - Batch A (English)', is highlighted with a yellow checkmark and circled in blue. It includes three student profiles and English language support. The third batch, 'Target ESE Prelims 2021 (Civil) - Batch C', is also shown with four student profiles and supports both English and Hindi.

BATCH

ENGLISH

Spark ESE Prelims 2021 (Civil) - Batch A (English)

Started on Nov 20

Praveen Kulkarni and 2 more

A smartphone screen displaying a list of Unacademy batches for Civil Engineering. The third batch, 'Target ESE Prelims 2021 (Civil) - Batch C', is highlighted with a yellow checkmark and circled in blue. It includes four student profiles and supports both English and Hindi.

BATCH

ENGLISH HINDI

Target ESE Prelims 2021 (Civil) - Batch C

Starts on Dec 7

Anirudh Singh Rathore

A smartphone screen displaying a list of Unacademy batches for Civil Engineering. The fourth batch, 'GATE Rank Improvement Batch (Civil) 2021 - Part II', is shown with four student profiles and English language support. The fifth batch, 'GATE Rank Improvement Batch (Civil) 2021 - Part I', is also shown with three student profiles and English language support.

BATCH

ENGLISH

GATE Rank Improvement Batch (Civil) 2021 - Part II

Started on Jul 1

Chetan Saxena and 3 more

A smartphone screen displaying a list of Unacademy batches for Civil Engineering. The fifth batch, 'GATE Rank Improvement Batch (Civil) 2021 - Part I', is highlighted with a yellow checkmark and circled in blue. It includes three student profiles and English language support.

BATCH

ENGLISH

GATE Rank Improvement Batch (Civil) 2021 - Part I

Started on Jun 15

Chetan Saxena and 2 more



BATCH - B

NEW
BATCH
ALERT

TARGET ESE PRELIMS 2021

GENERAL STUDIES



SAURABH KUMAR
PANDEY



SYED ASIF
HAIDER



AMAN RAJ



RAJAT JOHARI



SAGAR SHARMA



K UMAMAHESWARA
RAO



SHRENIK
JAIN

START DATE

11
JAN
2021

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Pattern

Total 10 Questions

1) Five Question
Each question 1 mark

2) Five Question
Each question 2 mark

10 Q + ISM

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Pattern

Quantitative Aptitude – 4 Q

Analytical Aptitude – 4 Q

Spatial Aptitude – 4 Q

Verbal Aptitude – 4 Q

169

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CAT 99.86%iler
(Quantitative)

Analytical Aptitude

- Venn Diagram
- Syllogism
- Series
- Coding & Decoding
- Clock & Calendar
- Distance & Direction
- Blood Relation **25**
- Seating Arrangements
- Puzzle

FREE

Quantitative Aptitude

- Time & Work
- Pipes & Cisterns
- Ratio & Proportion
- Number System
- Sequence & Series
- Average
- Time, Speed & Distance
- Percentage
- Profit, Loss & Discount
- Allegation & Mixture
- Powers, exponents and logarithms
- Algebra
- Permutation & Combination
- Probability
- Data Interpretation
- Mensuration and geometry

Spatial Aptitude

- Shape Matching - Two Dimensional
- Visual Comparison - Two Dimensional
- Group Rotation - Two Dimensional
- Combining Two Dimensional Shapes
- Cube Views in Three Dimensions
- Cubes in Two and Three Dimensions
- Other Solids in Two and Three Dimensions
- Block Counting in Three Dimensions
- Two-Dimensional Mirror Reflections
- Paper folding and Cutting

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✓Today's Class Agenda



- Question based on Tabulation
- Basic concept of pie-chart

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1) Mola is a digital platform for taxis in a city. It offers three types of rides - Pool, Mini and Prime. The table below presents the number of rides for the past four months. The platform earns one US dollar per ride. What is the percentage share of revenue contributed by Prime to the total revenues of Mola, for the entire duration?

[GATE 2019]

Type	Month			
	January	February	March	April
Pool	170	320	215	190 = 895
Mini	110	220	180	70 = 580
Prime	75	180	120	90 = 465

A) 16.24

B) 23.97

C) 25.86

D) 38.74

2

Total Revenue $\rightarrow 895 + 580 + 465$
 $x_1 \quad x_1 \quad x_1$
 $= 1940$

465
1940 $\times 100$

23.971

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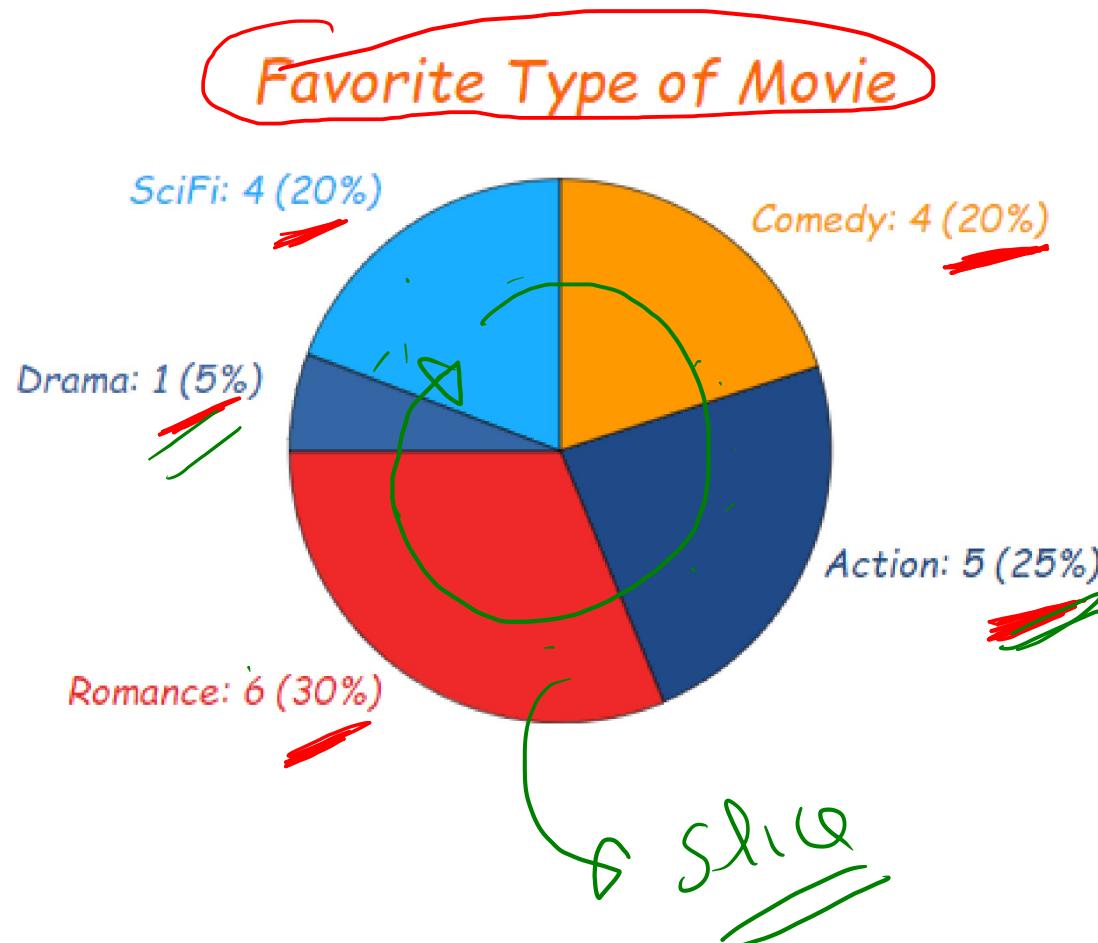
Pie-Chart

→ Circular chart

100 equal Part



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→ Total Movie
200

Comedy → 40

Action → 50

Romance → 60

Drama → 10

SciFi → 40
200

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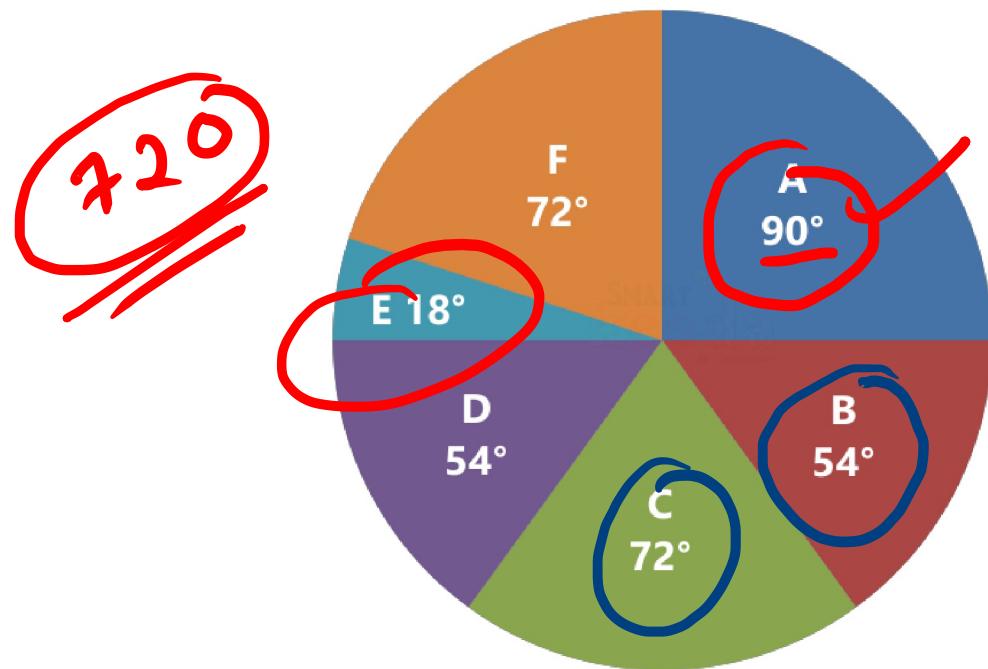
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Pie-Chart

○ 360°
↳ 360° equal part



$$A \rightarrow \left(\frac{72^\circ}{360^\circ} \right) 90 = 18^\circ$$

$$B \rightarrow \left(\frac{72^\circ}{360^\circ} \right) \times 180 = 108$$

$$C \rightarrow \left(\frac{72^\circ}{360^\circ} \right) \times 72 = \underline{\underline{144}}$$

$$E \rightarrow \left(\frac{72^\circ}{360^\circ} \right) \times 18 = \underline{\underline{36}}$$

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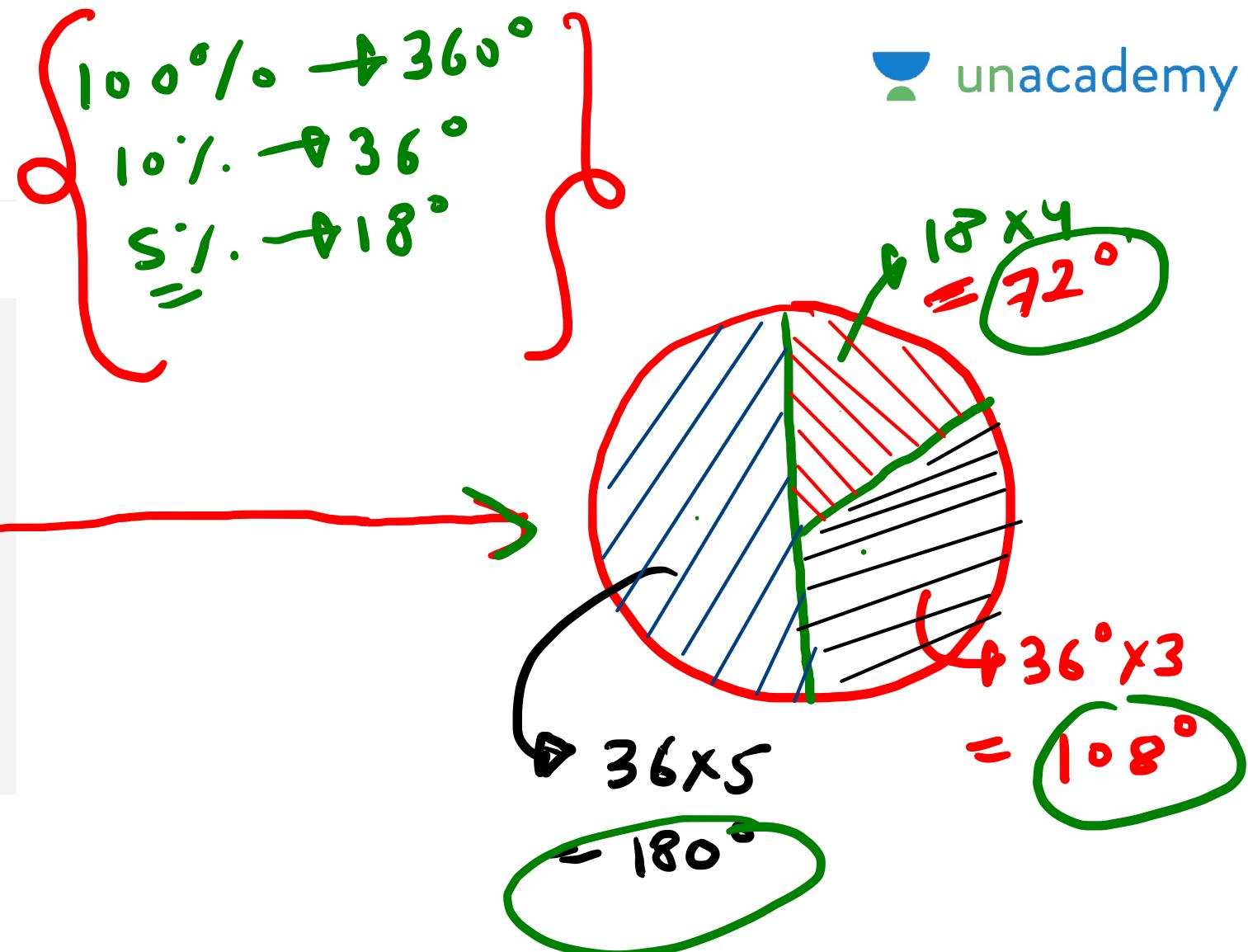
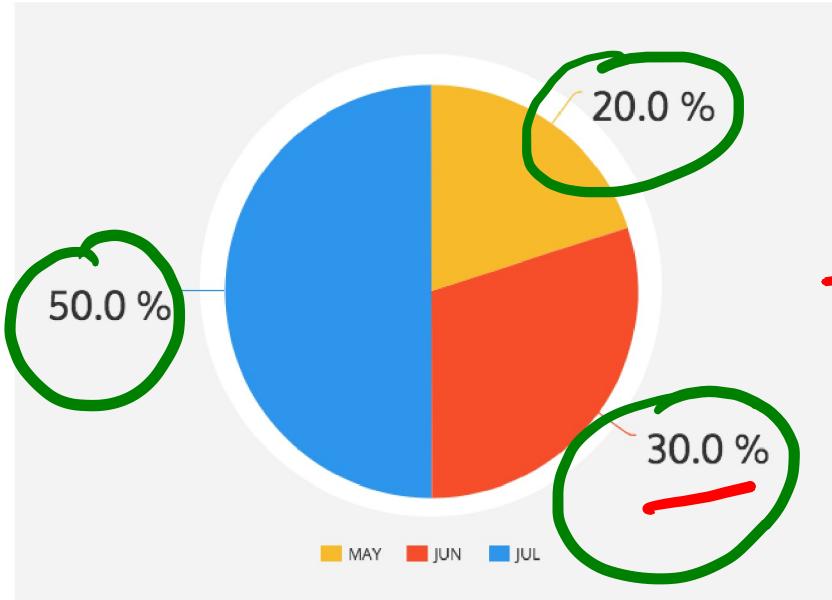
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Pie-Chart

PIE CHART TEMPLATE



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2) 40% of deaths on city roads may be attributed to drunken driving. The number of degrees needed to represent this as a slice of a pie chart is

(A) 120

(B) 144 ✓

[GATE-2017, 2 MARKS (EC, ME)]

(C) 160

(D) 212

$$\begin{aligned} 100\% &\rightarrow 360^\circ \\ 1\% &\rightarrow 36^\circ \\ \xrightarrow{x} 40\% &\rightarrow 36 \times 4 = 144^\circ \end{aligned}$$

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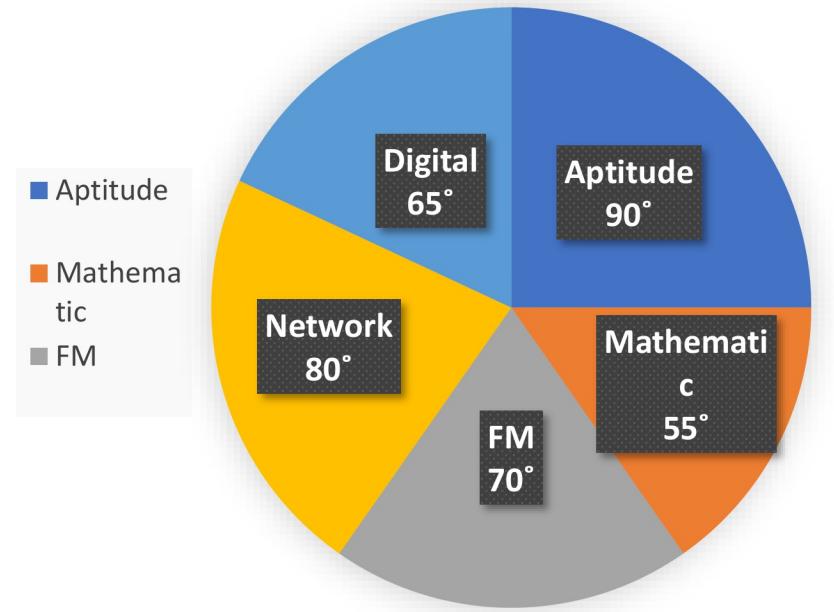
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Direction for questions 3-7: Refer to the pie chart given below and answer the questions that follow.

The given pie chart shows the marks scored by a student in different subjects- Aptitude, Mathematics, FM, Network and Digital in an examination. The values given are in degrees.

Assumption: Total marks obtained in the examination are 900.



3) If the total marks were 3000, then marks in Aptitude would be

- A) 800 B) 750 C) 850 D) 900

4) The Marks scored in Aptitude and Mathematics is less than the marks scored in FM and Network by

- A) 5% B) 4.33% C) 3.33% D) 4.6%

5) If the marks scored by the student are 137.5, then the subject is

- A) Aptitude B) Mathematics
C) FM D) Network

6) Total marks scored in Mathematics and Digital is

- A) 400 B) 350 C) 500 D) 300

7) The difference of marks scored in Digital and Network is

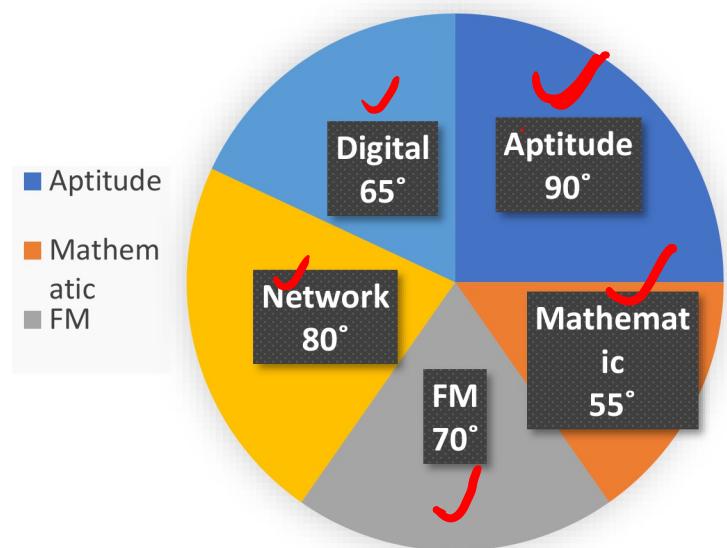
- A) 37.5 B) 40 C) 20 D) 15



Direction for questions 5-9: Refer to the pie chart given below and answer the questions that follow.

The given pie chart shows the marks scored by a student in different subjects- Aptitude, Mathematics, FM, Network and Digital in an examination. The values given are in degrees.

Assumption: Total marks obtained in the examination are 900.



- 3) If the total marks were 3000, then marks in Aptitude would be
- A) 800 B) 750 C) 850 D) 900

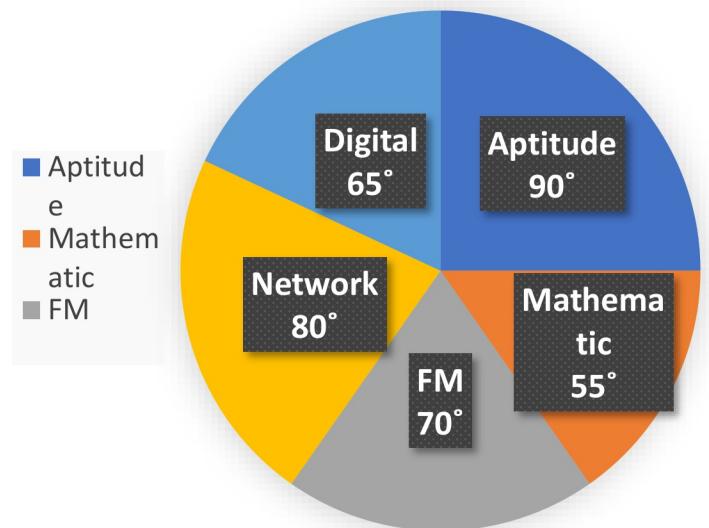
$$\frac{3000}{360} \times 90 = 750$$



Direction for questions 5-9: Refer to the pie chart given below and answer the questions that follow.

The given pie chart shows the marks scored by a student in different subjects- Aptitude, Mathematics, FM, Network and Digital in an examination. The values given are in degrees.

Assumption: Total marks obtained in the examination are 900.



- 4) The Marks scored in Aptitude and Mathematics is less than the marks scored in FM and Network by

- A) 5% B) 4.33% C) 3.33% D) 4.6%

$$A + M = 90 + 55 = 145^\circ$$

$$F + N = 70 + 80 = 150^\circ$$

S

$$\frac{5}{150} \times 100 = \frac{10}{3} = 3.33\%$$

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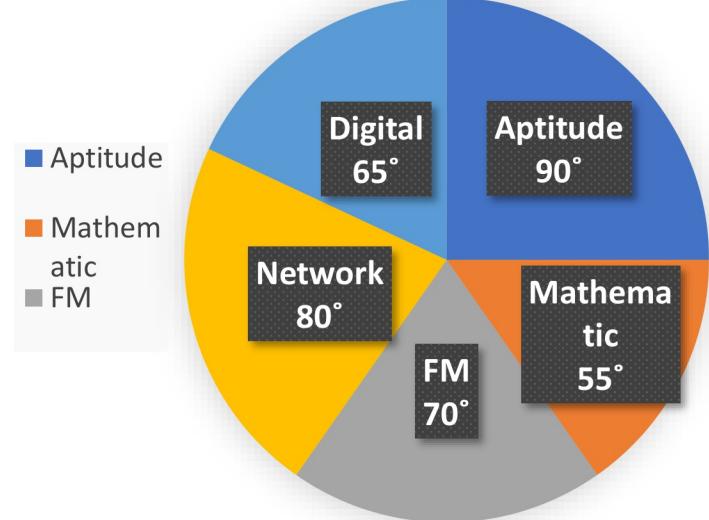
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Direction for questions 5-9: Refer to the pie chart given below and answer the questions that follow.

The given pie chart shows the marks scored by a student in different subjects- Aptitude, Mathematics, FM, Network and Digital in an examination. The values given are in degrees.

Assumption: Total marks obtained in the examination are 900.



- 5) If the marks scored by the student are 137.5, then the _____ subject is
- A) Aptitude
 - B) Mathematics
 - C) FM
 - D) Network

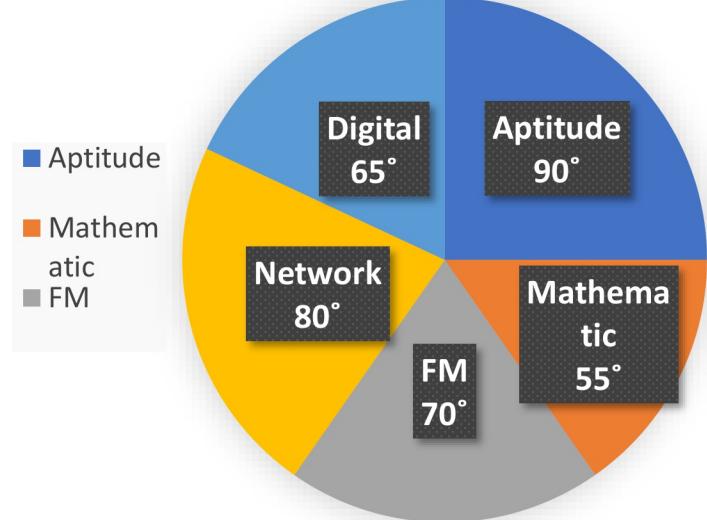
$$\left(\frac{900}{360} \right) \frac{137.5}{900/360} = \frac{360 \times 137.5}{900} = 55^{\circ}$$



Direction for questions 5-9: Refer to the pie chart given below and answer the questions that follow.

The given pie chart shows the marks scored by a student in different subjects- Aptitude, Mathematics, FM, Network and Digital in an examination. The values given are in degrees.

Assumption: Total marks obtained in the examination are 900.



- 6) Total marks scored in Mathematics and Digital is
- A) 400 B) 350 C) 500 D) 300

$$M + D \rightarrow 55^\circ + 65^\circ = \underline{\underline{120^\circ}}$$

$$\left(\frac{900}{360}\right) \times 120 = \underline{\underline{300}}$$

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Pattern

Total 10 Questions

1) Five Question
Each question 1 mark

2) Five Question
Each question 2 mark

10Q + 15M

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Pattern

Total 10 Questions

1) Five Question
Each question 1 mark

2) Five Question
Each question 2 mark

10Q + 15M

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Pattern

Quantitative Aptitude – 4 Q

Analytical Aptitude – 4 Q

Spatial Aptitude – 4 Q

Verbal Aptitude – 4 Q

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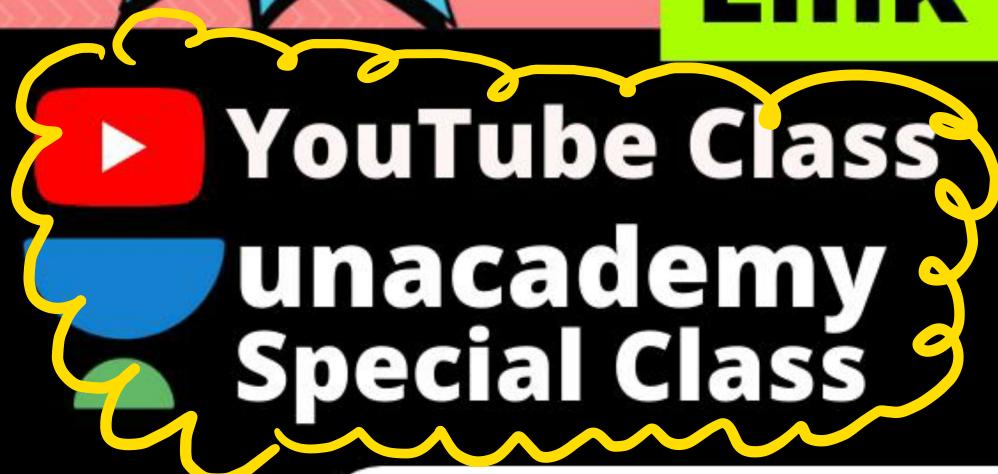


Avinash Sir
CAT 99.86%iler
(Quantitative)

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GATE-2021

Analytical Aptitude



- Venn Diagram
- Syllogism
- Series
- Coding & Decoding
- Distance & Direction
- Blood Relation
- Seating Arrangements
- Clock & Calendar
- Analogy
- Puzzle

25



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BATCH - B

NEW
BATCH
ALERT

TARGET ESE PRELIMS 2021

GENERAL STUDIES



SAURABH KUMAR
PANDEY



SYED ASIF
HAIDER



AMAN RAJ



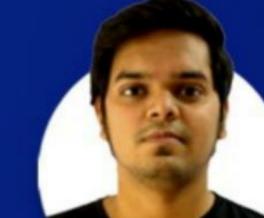
RAJAT JOHARI



SAGAR SHARMA



KUMAMAHESWARA
RAO



SHRENIK
JAIN

START DATE

11
JAN
2021

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Avinash Singh

Teaches in GATE & ESE

7 Yr Teaching Exp Cracked GATE Multiple Times CAT-99.86%(Quant) YouTuber(Channel-Avinash Sir Maths) Teaching isn't my job, it's my Passion

510k Watch mins

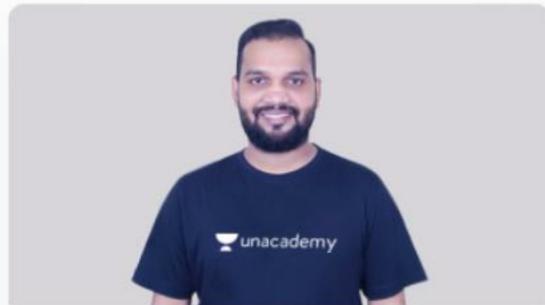
331k Watch mins (last 30 days)

2k Followers

100 Dedications

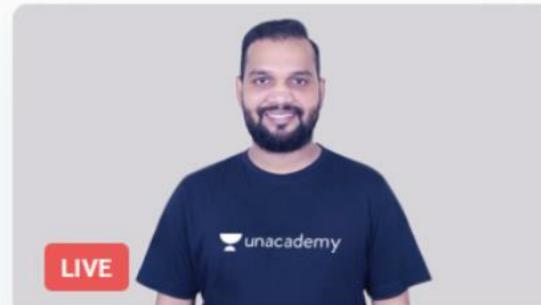


Special Classes



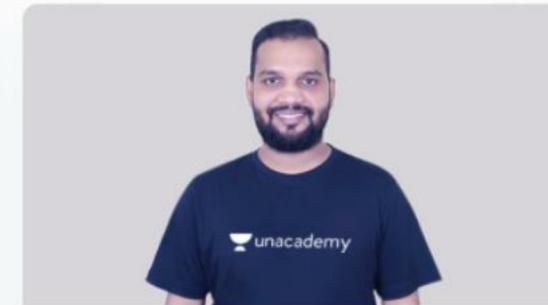
HINDI GENERAL APTITUDE

Most Expected General Aptitude Questions for GATE - Part 1



HINDI GENERAL APTITUDE

Engg Math : Linear Algebra PYQs with concept Part-2



HINDI GENERAL APTITUDE

Discussion on Permutation & Combination with PYQs- Part 4

SEE ALL

- Educator highlights
- Worked at GATE ACADEMY
 - Cracked GATE Exam Multiple time
 - Lives in Durg, Chhattisgarh, India
 - Unacademy Educator since 29th September, 2020
 - 120,429 live minutes taught in last 30 days

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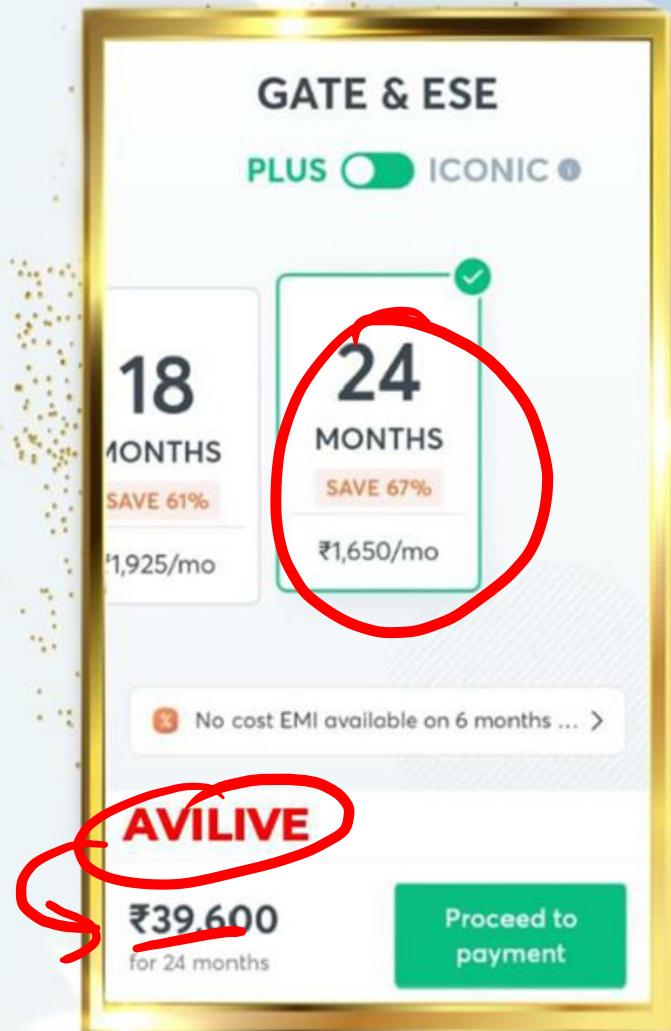
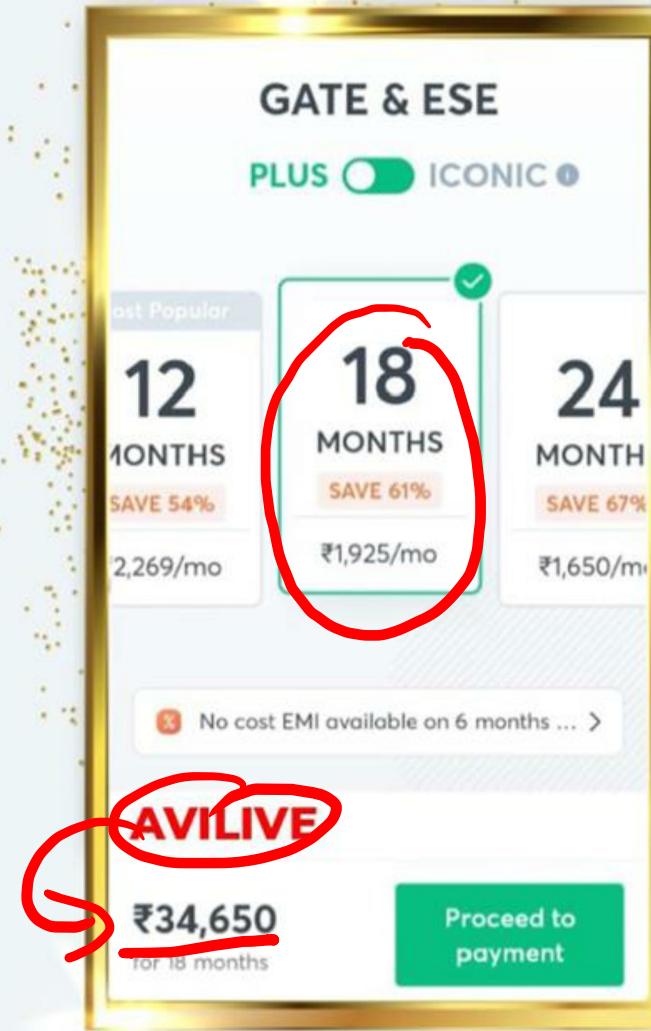
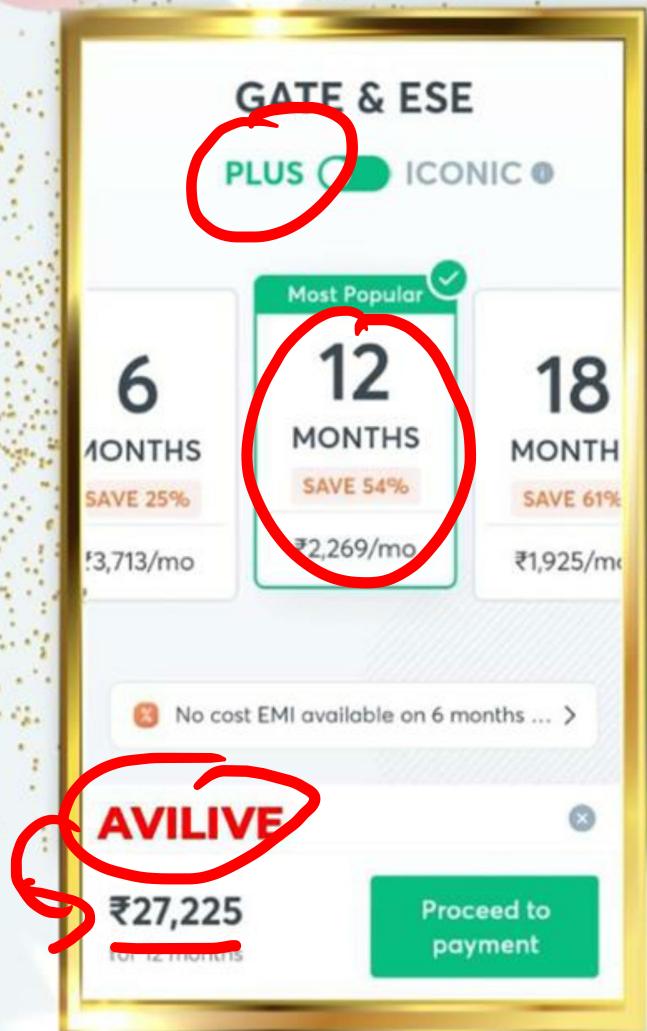
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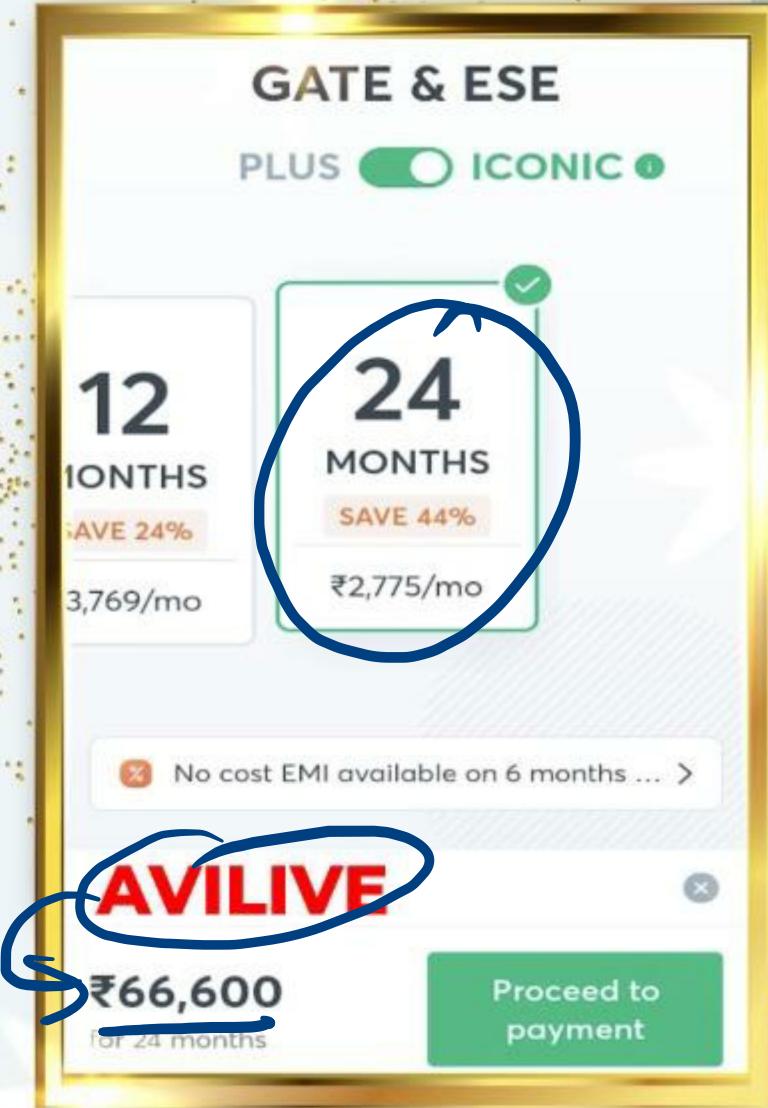
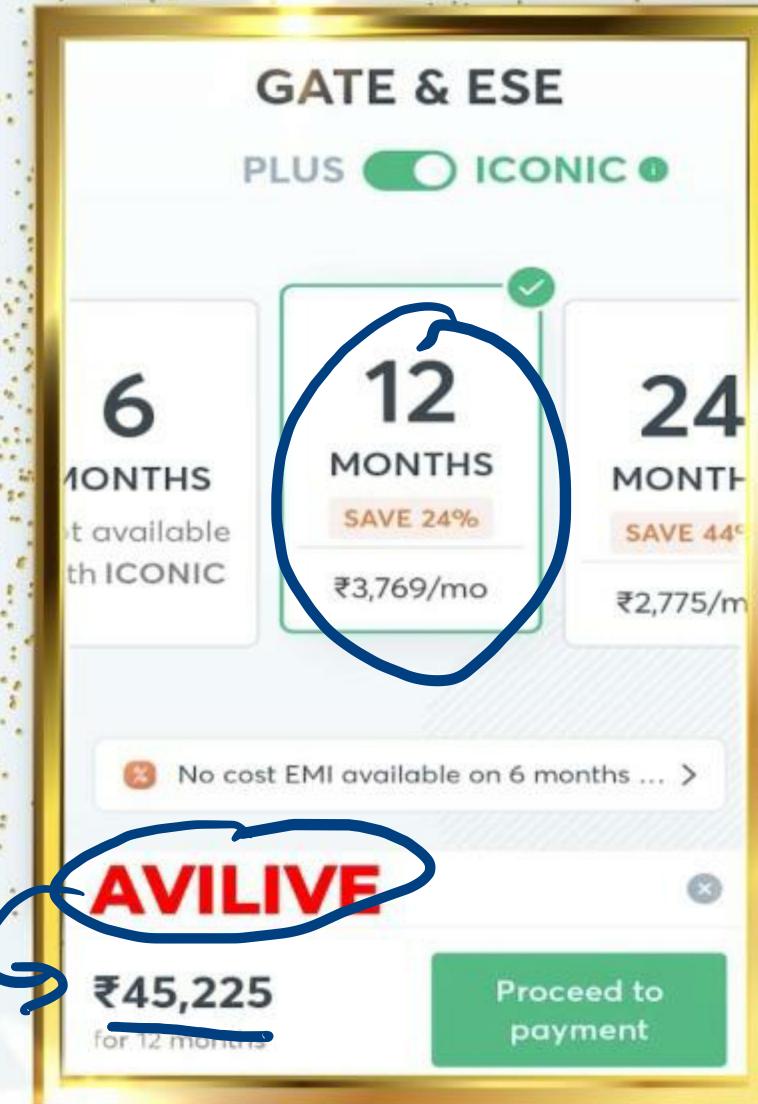
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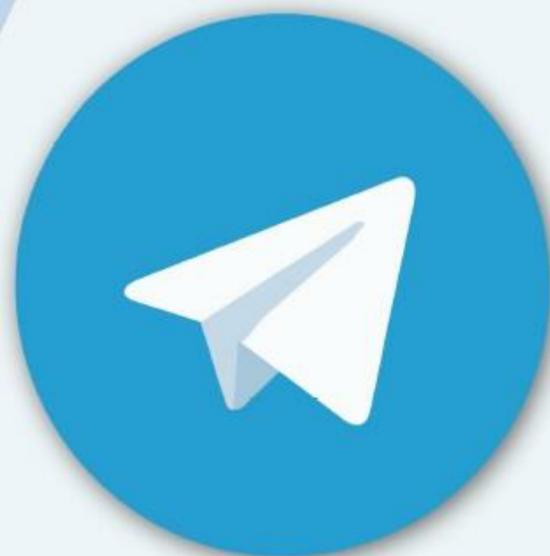
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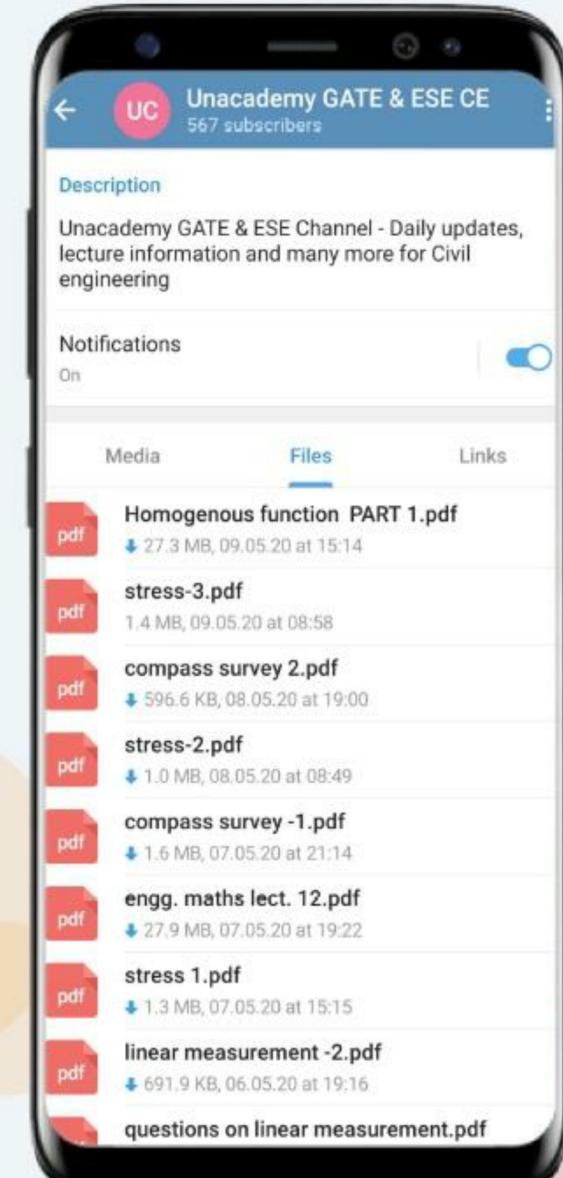
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**Electrical
Junction**



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