



Padalsalai's Telegram Groups!

(தலைப்பிற்கு கீழே உள்ள லிங்கை கிளிக் செய்து குழுவில் இணையவும்!)

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- 10th Standard - Group
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- 9th Standard - Group
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Slow learner Materials

XII - MATHS

Target 50/90

1. MATRIX

Eg: 1.4, 1.5, 1.6, 1.7, 1.8, 1.10, 1.12
1.14, 1.17, 1.18, 1.19, 1.22, 1.23
1.24, 1.28, 1.39, 1.40

EX

1.1 $\Rightarrow$ 4, 5, 6, 7, 8, 9, 14
1.2 $\Rightarrow$ 2, 3
1.3 $\Rightarrow$ 1, 2
1.4 $\Rightarrow$ 1, 2
1.5 $\Rightarrow$ 1, 2
1.6 $\Rightarrow$ 1, 2, 3
1.7 $\Rightarrow$ 3

2. Complex Numbers

Eg: 2.15, 2.33, 2.34, 2.35, 2.36
arg, Im, Re, de Moivre's theorem

EX

2.5 $\Rightarrow$ 1, 2, 7, 8
2.6 $\Rightarrow$ 2, 3
2.7 $\Rightarrow$ 4, 5, 6
2.8 $\Rightarrow$ 4, 5, 6, 7, 8, 9, 1

3. Theory of Equations:-

Eg: 3.4, 3.5, 3.6

EX

3.1 $\Rightarrow$ 3, 6, 7, 8, 9, 10
3.4 $\Rightarrow$ 1, 2
3.5 $\Rightarrow$ 3, 4, 5, 6, 7

4. Inverse Trigonometric functions

Eg: 4.4, 4.7, 4.10, 4.11, 4.14, 4.15, 4.19
4.20, 4.22, 4.23, 4.24, 4.25

EX

4.1 $\Rightarrow$ 5, 6, 7
4.2 $\Rightarrow$ 3, 4, 5, 6, 7, 8
4.3 $\Rightarrow$ 3, 4
4.5 $\Rightarrow$ 4, 5, 6, 7, 8, 9, 10

5. Analytical Geometry - II

Eg: 5.24, 5.20, 5.30, 5.31, 5.32
5.33, 5.34, 5.35, 5.36, 5.38, 5.39
5.40

EX:

5.2 $\Rightarrow$ all sums
5.5 $\Rightarrow$ all sums
5.4 $\Rightarrow$ all sums

6. Vector Algebra:

First 3 Ex 6.1, 6.2, 6.3,
well Prepared.

$\cos(\alpha + \beta)$, $\cos(\alpha - \beta)$, $\sin(\alpha + \beta)$

$\sin(\alpha - \beta)$ Altitude, concurrent

Image, intersection point, shortest
distance, angle

7. Application of Differential Calculus

Rolle's theorem, mean value thm
limit, Convex, Concave, local
extrema, monotonicity

EX: 7.8 $\Rightarrow$ all sums

EX: 7.9 $\Rightarrow$ Sketch the graph

9. Integration:-

Eg: 9.1 to 9.30 all sums.

Gamma Integral
Bernoullies Formula
Reduction formula
Volume of sphere, Cone,
cap sums, Area $\odot$

8. Differential Equations and
Partial derivatives

Eg: 8.22, 8.14

Ex 8.4 $\Rightarrow \frac{\partial^2 y}{\partial x \partial y} = \frac{\partial^2 y}{\partial y \partial x}$, $f_{xy} = f_{yx}$

$\frac{ds}{dt}$
Ex 8.7 $\Rightarrow$ Euler's Theorem
2, 3, 4, 5, 6

10. Ordinary Differential
Equations:-

Example sums well prepared
last 4 Exercise.

Word Problems.

11. Probability distribution

Eg: 11.9, 11.10, 11.13, 11.15, 11.16,
11.17, 11.18

Ex:

11.2 $\Rightarrow$ 4, 5, 6, 7

11.3 $\Rightarrow$ 3, 4, 5, 6

11.4 $\Rightarrow$ 3, 4, 5, 6, 7

12. Discrete Mathematics.

Eg: 12.7, 12.9, 12.10

Ex:

12.1 $\Rightarrow$ 5, 6, 7, 8, 9, 10

Truth table.

Prepared by

Mothers Matric
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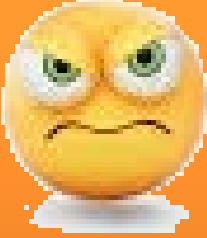


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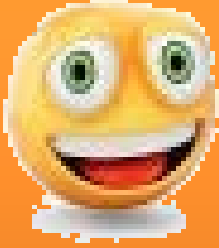
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