CHAPTERWISE MOCK ROUTINE

SESSION 2024 - 2025

AS & A LEVEL

SUBJECT : MATHEMATICS & FURTHER MATHEMATICS

TEACHER : DEBASHISH SAHA

TOPIC : 1

Subject	Date	Day	Time	Course	Syllabus
FM P1	02.12.2024	Monday	01:30 pm - 03:30 pm	FM P1	• Roots of polynomial equations.
M1	03.12.2024	Tuesday	03:00 pm - 05:00 pm	M1	• Velocity & Acceleration.
S1	03.12.2024	Tuesday	03:00 pm - 05:00 pm	S1	• Representation of data.
FM P3	05.12.2024	Thursday	03:30 pm - 05:30 pm	FM P3	• Projectiles
FM P2	05.12.2024	Thursday	07:00 pm - 09:00 pm	FM P2	• Hyperbolic functions.
P1	06.12.2024	Friday	07:00 pm - 09:00 pm	P1	• Quadratics.
P3	06.12.2024	Friday	07:00 pm - 09:00 pm	P3	• Algebra. • Logarithmic and exponential functions.

TOPIC : 2

FM P1	09.12.2024	Monday	01:30 pm - 03:30 pm	FM P1	• Rational functions.
M1	10.12.2024	Tuesday	03:00 pm - 05:30 pm	M1	• Forces and Motion in one dimension.
S1	10.12.2024	Tuesday	03:00 pm - 05:30 pm	S1	• Measures of central tendency.
FM P3	12.12.2024	Thursday	03:30 pm - 05:30 pm	FM P3	• Moments
FM P2	12.12.2024	Thursday	07:00 pm - 09:00 pm	FM P2	• Matrices 2
P1	13.12.2024	Friday	07:00 pm - 09:00 pm	P1	• Functions.
P3	13.12.2024	Friday	07:00 pm - 09:00 pm	P3	• Trigonometry.

TOPIC : 3

FM P1	16.12.2024	Monday	01:30 pm - 03:30 pm	FM P1	• Summation of series.
M1	17.12.2024	Tuesday	03:00 pm - 05:30 pm	M1	• Forces in two dimensions.
S1	17.12.2024	Tuesday	03:00 pm - 05:30 pm	S1	• Measures of variation.
FM P3	19.12.2024	Thursday	03:30 pm - 05:30 pm	FM P3	• Centre of mass
FM P2	19.12.2024	Thursday	07:00 pm - 09:00 pm	FM P2	• Differentiation.
P1	20.12.2024	Friday	07:00 pm - 09:00 pm	P1	• Coordinate geometry.
P3	20.12.2024	Friday	07:00 pm - 09:00 pm	P3	• Differentiation.

TOPIC : 4

Subject	Date	Day	Time	Course	Syllabus
FM P1	23.12.2024	Monday	01:30 pm - 03:30 pm	FM P1	• Matrices 1
M1	24.12.2024	Tuesday	03:00 pm - 05:30 pm	M1	• Friction.
S1	24.12.2024	Tuesday	03:00 pm - 05:30 pm	S1	• Probability.
FM P3	26.12.2024	Thursday	03:30 pm - 05:30 pm	FM P3	• Equilibrium of rigid bodies
FM P2	26.12.2024	Thursday	07:00 pm - 09:00 pm	FM P2	• Integration.
P1	27.12.2024	Friday	07:00 pm - 09:00 pm	P1	• Circular measure.
P3	27.12.2024	Friday	07:00 pm - 09:00 pm	P3	• Integration. • Numerical solutions of equations.

TOPIC : 5

FM P1	30.12.2024	Monday	01:30 pm - 03:30 pm	FM P1	• Polar coordinates.
M1	31.12.2024	Tuesday	03:00 pm - 05:30 pm	M1	• Connected particles.
S1	31.12.2024	Tuesday	03:00 pm - 05:30 pm	S1	• Permutations and combinations.
FM P3	02.01.2025	Thursday	03:30 pm - 05:30 pm	FM P3	• Circular motion
FM P2	02.01.2025	Thursday	07:00 pm - 09:00 pm	FM P2	• Complex numbers.
P1	03.01.2025	Friday	07:00 pm - 09:00 pm	P1	• Trigonometry.
P3	03.01.2025	Friday	07:00 pm - 09:00 pm	P3	• Further algebra

TOPIC : 6

FM P1	06.01.2025	Monday	01:30 pm - 03:30 pm	FM P1	• Vectors.
M1	07.01.2025	Tuesday	03:00 pm - 05:30 pm	M1	• General motion in a straight line.
S1	07.01.2025	Tuesday	03:00 pm - 05:30 pm	S1	• Probability distributions.
FM P3	09.01.2025	Thursday	03:30 pm - 05:30 pm	FM P3	• Hooke's law
FM P2	09.01.2025	Thursday	07:00 pm - 09:00 pm	FM P2	• Differential equations.
P1	10.01.2025	Friday	07:00 pm - 09:00 pm	P1	• Series.
P3	10.01.2025	Friday	07:00 pm - 09:00 pm	P3	• Further calculus.

TOPIC : 7

Subject	Date	Day	Time	Course	Syllabus
FM P1	13.01.2025	Monday	01:30 pm - 03:30 pm	FM P1	• Proof by induction.
M1	14.01.2025	Tuesday	03:00 pm - 05:30 pm	M1	• Momentum.
S1	14.01.2025	Tuesday	03:00 pm - 05:30 pm	S1	• The binomial and geometric distributions.
FM P3	16.01.2025	Thursday	03:30 pm - 05:30 pm	FM P3	• Linear motion under a variable force
P1	17.01.2025	Friday	07:00 pm - 09:00 pm	P1	• Differentiation.
P3	17.01.2025	Friday	07:00 pm - 09:00 pm	P3	• Vectors. • Differential equations

TOPIC : 8

M1	21.01.2025	Tuesday	03:00 pm - 05:30 pm	M1	• Work and energy. • The work-energy principle and power
S1	21.01.2025	Tuesday	03:00 pm - 05:30 pm	S1	• The normal distribution.
FM P3	23.01.2025	Thursday	03:30 pm - 05:30 pm	FM P3	• Momentum
P1	24.01.2025	Friday	07:00 pm - 09:00 pm	P1	• Further differentiation. • Integration.
P3	24.01.2025	Friday	07:00 pm - 09:00 pm	P3	• Complex numbers.

Venue

Lalmatia Girls' High School

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