CHAPTERWISE MOCK ROUTINE
SESSION 2023 - 2024
AS & A LEVEL
SUBJECT : MATHEMATICS
TEACHER : DEBASHISH SAHA

TOPIC : 1

Subject	Date	Day	Starting Time	Course	Syllabus
P1	02.01.2024	Tuesday	04.00 pm - 06.00 pm	P1	• Quadratics. • Functions.
P3	02.01.2024	Tuesday	04.00 pm - 06.00 pm	P3	• Algebra. • Logarithmic and exponential functions • Trigonometry
S1	05.01.2024	Friday	06.00 pm - 08.00 pm	S1	• Representation of data & Handling of data. • Permutations and combinations
M	05.01.2024	Friday	06.00 pm - 08.00 pm	M	• Kinematics of motion in a straight line (Velocity & Acceleration) • Forces and Motion. • Vertical motion.
FM (AS)	06.01.2024	Saturday	07.00 pm - 09.00 pm	FM P1	• Roots of polynomial equations • Rational functions and graphs
FM (A2)	06.01.2024	Saturday	10.00 am - 12.00 noon	FM P2	• Hyperbolic functions • Matrices

TOPIC : 2

P1	09.01.2024	Tuesday	04.00 pm - 06.00 pm	P1	• Coordinate geometry • Circular measure
P3	09.01.2024	Tuesday	04.00 pm - 06.00 pm	P3	• Differentiation • Numerical solution of equation. • Further Algebra.
S1	12.01.2024	Friday	06.00 pm - 08.00 pm	S1	• Probability • Discrete random variables, Expectation variance.
M	12.01.2024	Friday	06.00 pm - 08.00 pm	M	• Resolving forces. • Friction.
FM (AS)	13.01.2024	Saturday	07.00 pm - 09.00 pm	FM P1	• Summation of series • Proof by induction
FM (A2)	13.01.2024	Saturday	10.00 am - 12.00 noon	FM P2	• Differentiation • Integration

TOPIC : 3

Subject	Date	Day	Starting Time	Course	Syllabus
P1	16.01.2024	Tuesday	04.00 pm - 06.00 pm	P1	• Trigonometry • Series
P3	16.01.2024	Tuesday	04.00 pm - 06.00 pm	P3	• Integration • Vectors
S1	19.01.2024	Friday	06.00 pm - 08.00 pm	S1	• Binomial Distribution. • Geometric Distribution.
M	19.01.2024	Friday	06.00 pm - 08.00 pm	M	• Motion due to gravity, connected particles (Newton's third law) • Work Energy Power, Potential Energy.
FM (AS)	20.01.2024	Saturday	07.00 pm - 09.00 pm	FM P1	• Polar coordinates • Vectors
FM (A2)	20.01.2024	Saturday	10.00 am - 12.00 noon	FM P2	• Complex numbers • First order differential equations

TOPIC : 4

P1	23.01.2024	Tuesday	04.00 pm - 06.00 pm	P1	• Differentiation • Integration
P3	23.01.2024	Tuesday	04.00 pm - 06.00 pm	P3	• Differential equations. • Complex numbers
S1	26.01.2024	Friday	06.00 pm - 08.00 pm	S1	• The normal distribution
M	26.01.2024	Friday	06.00 pm - 08.00 pm	M	• General Motion in a straight line. • Momentum
FM (AS)	27.01.2024	Saturday	07.00 pm - 09.00 pm	FM P1	• Matrices
FM (A2)	27.01.2024	Saturday	10.00 am - 12.00 noon	FM P2	• Second order differential equations