Module Name (General)	Total Hours
Mathematics	25

Day	Sr. No.	Topic	Hrs.
	1	Logical and reasoning:	1
1	2	Applications of vectors: • Work done	1
	3	Application of integration: • Review of integration	1
	4	Applications of trigonometry: • Distance and height	1
	5	Visualizing mathematics using software: • Geo Gebra (Locus of points, Area etc)	1
	1	Logical and reasoning:	1
	2	 Problems on work, time and distance, and clock Applications of vectors: Moment 	1
2	3	Application of integration: • Area	1
	4	Elementary linear algebra:	1
	5	Visualizing mathematics using software: • D graph (Graphs of various functions)	1
	1	Logical and reasoning: • Problems on interest, profit and loss	1
	2	Applications of differentiation: • Velocity and acceleration	1
3	3	Application of integration: • Volume	1
)	4	Elementary linear algebra: • Solution of real life problems of linear system using substitution method and matrix method	1
	5	Visualizing mathematics using software: • Wolfram alpha(Solutions of equations, Graphs etc.)	1
	1	Logical and reasoning: • Sequence and series	1
	2	Applications of differentiation: Optimization problems	1
4	3	Application of differential equation: • Formation of real life problems of differential equations, Solution of differential equation using variable separable, reducing to variable separable method	1
	4	Area:	1
	5	Visualizing mathematics using software: • Excel (Graph Plotting, etc.)	1
5	1	Logical and reasoning: • Puzzles	1
	2	Applications of differentiation:	1

Day	Sr. No.	Торіс	Hrs.
		Optimization problems	
	3	 Application of differential equation: solution of differential equation using homogenous method and Linear differential equation method 	1
	4	Volume:	1
	5	Visualizing mathematics using software: • Photomath (Android application)	1
		Total Hours:	25