Unit Code: H630/01
Qual Name: AS Level Mathematics B (MEI)
Qual Title: MEI Pure Mathematics and Mechanics

Question Set	Q. No	Total Marks	AO	Spec Ref.	Topic
1	1	2	1	Ma Algebra	Surds and indice
1	2	4	1	Ms Sequences and series	Binomial expansions
1	3	7	1	Mt Trigonometry	Trigonometry
1	4	5	1	Mf Functions	Polynomials
1	5	8	1	Mc Calculus	Integration
1	6	9	3(PS)	MC Graphs, Mc Calculus	Graph Transformations & Application of differerentiation
1	7	13	1	Ma Algebra, ME Exponentials	Exponentials and logartithms
2	1	3	1	MF Forces	Vector treatment of forces
2	2	4	3(PS)	Mn Laws of motion	Connected particles
2	3	6	1	Mk Kinematics	Kinematics
2	4	9	3(M)	Mk Kinematics	Kinematics
3	1	3	1	Ma Algebra	Nature of roots of quadratic
3	2	3	1	Mt Trigonometry	Trig graphs and identities
3	3	4	1	Ma Algebra	Surds
3	4	5	1	Mt Trigonometry	Solution of triangles
3	5	11	2	Mf Functions, MC Graphs	Polynomials and graph transformations
3	6	7	2	Mc Calculus	Stationary points
3	7	7	1	Mc Calculus	Gradient functions
3	8	11	3(M)	Ma Algebra, Mg Coordinate geometry	Proportionality and straight line models
4	1	3	1	MF Forces, Mn Laws of motion	Forces and Newton's laws
4	2	7	1	Mn Laws of motion, MF Forces	Connected particles
4	3	9	3(M)	Mk Kinematics	Kinematics including calculus
5	1	2	2	Mp Proof	Proof
5	2	4	1	Mt Trigonometry	Solution of triangles
5	3	5	1	Mv Vectors	Vectors
5	4	4	1	Mc Calculus	Differentiation, limit of chord gradient
5	5	6	1	Mc Calculus, MC Graphs	Gradient functions, sketching polynomials
5	6	7	3(PS)	Mg Coordinate geometry	Coordinate geometry straight lines
5	7	9	2	Ma Algebra, ME Exponentials	Indices, exponentials and logs

Question Set		Total Marks	AO	Spec Ref.	Topic
5	8	12	3(PS)	Mc Calculus	Equation of tangent, stationary points
6	1	5	1	MF Forces, Mn Laws of motion	Forces and Newton's laws
6	2	5	3(M)	Mk Kinematics	Kinematics including calculus
6	3	6	3(M)	Mk Kinematics	Kinematics and graphs
6	4	5	3(M)	Mk Kinematics	Kinematics