

Individual Diagnostic Report for Test Student

Dear Test Student,

For the AMAIS Paper you have just completed you have correctly answered 18 questions out of 35.

A detailed summary of your performance is given below. It will show you areas where you have done well and other areas you may need to revise.

Descriptor	Content	Course Level	Result
Polynomial coefficients	A	F	✓
Rearrange a formula	A	F	•
Transposition and substitution	A	F	•
Distributive law	A	F	✗
Solution of simultaneous equations	A	I	✗
Index laws	A	I	✗
Substitution into formulas	A	I	✗
Solution of simple exponential equations	A	I	✓
Expansion of expressions from factors	A	I	✗
Logarithm laws	A	A	✓
Solve a cubic equation	A	A	✓
Evaluate $f(a)$ where f is a power function	FG	I	✗
Sketch graphs of linear functions	FG	I	✓
Sketch graphs of linear, quadratic polynomial functions	FG	I	✓
Gradients of parallel and perpendicular lines	FG	I	✓
Equation of straight line through two points	FG	I	✗
Simple applications of exponential models	FG	A	✓
Unit circle and radian measure	FG	A	✓
Sketch graphs of cubic polynomial functions	FG	A	✓
Parallel and perpendicular lines	GM	F	✗
Properties of triangles	GM	F	✗
Surface area of 3-D solid	GM	I	•
Pythagoras' theorem and applications	GM	I	✓
Trigonometric ratios and applications	GM	I	•
Similarity of figures	GM	A	✗
Fractions, decimals and percentages	N	F	✓
Ratios and proportions	N	F	✓
Representing data	PS	F	✓
Tallying data	PS	F	✗
Venn, tree diagrams, Karnaugh maps	PS	I	✓
Mean, median and mode	PS	I	✗
Probability of simple events	PS	I	✓
Average rate over an interval	RC	A	•
Applying rates of change in motion graphs	RC	A	✓
Instantaneous rate of change	RC	A	✓

Legend ✓ Correct ✗ Incorrect • Unanswered

Breakdown by Course Level and Content

Level/Content	Algebra (A)	Functions & Graphs (FG)	Geometry & Measurement (GM)	Number (N)	Probability & Statistics (PS)	Rates of Change & Calculus (RC)	Total	Total %
Fundamental (F)	1/4	--	0/2	2/2	1/2	--	4/10	40
Intermediate (I)	1/5	3/5	1/3	--	2/3	--	7/16	43.8
Advanced (A)	2/2	3/3	0/1	--	--	2/3	7/9	77.8
Total	4/11	6/8	1/6	2/2	3/5	2/3	18/35	51.4