

# Mathematics 3201

## Sample Examination Item Breakdown

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- Chapters:**
- 1 Set Theory
  - 2 Counting Method
  - 3 Probability
  - 4 Rational Expressions and Equations
  - 5 Polynomial Functions
  - 6 Exponential Functions
  - 7 Logarithmic Functions
  - 8 Sinusoidal Functions
  - 9 Financial Mathematics: Borrowing Money

**PART I:** Item Match to Table of Specifications and Outcomes with Key  
Total Value: 50%

#	Ans	2V	2P	L3	Guide	Outcome
1	A	✓			26	LR2
2	D	✓			26	LR2
3	B		✓		24	LR2
4	B		✓		26	LR2
5	C	✓			60	P5
6	D	✓			58	P5
7	B	✓			52	P4
8	A		✓		60	P5
9	A		✓		68	P5
10	B		✓		68	P5
11	A	✓			80	P2
12	A			✓	84	P6
13	C	✓			88	P1
14	B		✓		92	P6
15	C		✓		94	P3
16	C	✓			100	RF1
17	C	✓			104	RF1
18	D		✓		102	RF1
19	B		✓		104	RF1
20	A		✓		106	RF2
21	C		✓		108	RF2
22	D	✓			120	RF7
23	A	✓			126	RF7
24	A		✓		126	RF7
25	D		✓		130	RF7

#	Ans	2V	2P	L3	Guide	Outcome
26	C		✓		126	RF7
27	A		✓		130	RF7
28	D	✓			140	RF6
29	D	✓			142	RF6
30	B		✓		150	RF5
31	D		✓		142	RF5
32	A		✓		150	RF5
33	D		✓		150	RF6
34	D	✓			168	RF6
35	A		✓		174	RF4
36	B		✓		170	RF4
37	A	✓			170	RF4
38	B		✓		178	RF5
39	C			✓	182	RF5
40	B	✓			194	RF8
41	A		✓		196	RF8
42	D		✓		196	RF8
43	B		✓		190	RF8
44	B	✓			194	RF8
45	D		✓		196-98	RF8
46	B	✓			210	F1
47	B	✓			208	F1
48	D	✓			210	F1
49	B		✓		210	F1
50	A		✓		216	F1

**PART II:** Item Match to Table of Specifications and Outcomes  
Total Value: 50%

Item	Value	L2P	L3	Guide	Outcome
51a	3		✓	36	LR2
52a	2	✓		56	P4
52b	3	✓		60,66	P5
52c	2	✓		62	P5
53a	2	✓		84	P5,P6
53b	3		✓	92,82	P3,P1
54a	4	✓		106	RF2
54b	2		✓	114	RF3
55a	2		✓	124	RF7
55b(i)	3	✓		126	RF7
55b(ii)	1	✓		126-8	RF7

Item	Value	L2P	L3	Guide	Outcome
56a	3	✓		142	RF5
56b	4		✓	154,208	RF6,F1
57a	4	✓		178	RF5
57b(i)	1	✓		176	RF5
57b(ii)	2		✓	176	RF5
58a(i)	4	✓		194	RF8
58a(ii)	2		✓	196,202	RF8
59a	3	✓		212,156	F1,RF6