NEW ZEALAND SCHOLARSHIP 2004
PERFORMANCE SUMMARY FOR STATISTICS AND MODELLING

Example of how finer discrimination between candidates in 2004 examination can be achieved.

<table>
<tr><th colspan="3">From Standard</th><th colspan="3">From Schedule</th></tr>
<tr><th colspan="2">Performance Descriptors</th><th>Code</th><th>Pre-requisite</th><th>Performance Category</th><th>Minimum Requirements (including prerequisite)</th></tr>
<tr><td rowspan="4">1</td><td rowspan="4">• Demonstrate sophistication of thinking across a range of concepts in the solution of problems
Qs 3, 4b, 4c
• In their solutions, display logical development, precision and clarity across a range of concepts
Qs 5a(3), 5b
• Critically evaluate processes and solutions
Qs 2(iii), 3, 6d</td><td>AT

AE

AC</td><td rowspan="4">Achieved 1 each of AT, AE, AC
plus
At least 7Bs including 1 each of BS, BP, BM</td><td>1</td><td>8As plus 7Bs</td></tr>
<tr><td>2</td><td>7As plus 7Bs</td></tr>
<tr><td>3</td><td>6As plus 7Bs</td></tr>
<tr><td>4</td><td>5As plus 7Bs</td></tr>
<tr><td rowspan="4">2</td><td rowspan="4">• Demonstrate an advanced level of statistical thinking
Qs 1c, 3, 6a, 6b
• Apply probability theory and models to solve complex problems
Qs 1a 1b, 1d, 5a(i), 5a (ii)
• Apply techniques of mathematical modelling to solve complex problems
Qs 2(i), 2(ii), 4a, 4d, 6c</td><td>BS

BP

BM</td><td rowspan="4">Achieved 1 each of BS, BP, BM</td><td>5</td><td>13Bs</td></tr>
<tr><td>6</td><td>11Bs</td></tr>
<tr><td>7</td><td>9Bs</td></tr>
<tr><td>8</td><td>7Bs</td></tr>
<tr><td rowspan="4">3</td><td rowspan="4">Achievement in any two criteria of Performance Descriptor 2</td><td rowspan="4">BS

BP

BM</td><td rowspan="4">Achieved
at least two of
BS, BP, BM</td><td>9</td><td>7Bs in 2 descriptors;
OR
6Bs in 3 descriptors</td></tr>
<tr><td>10</td><td>6Bs in 2 descriptors</td></tr>
<tr><td>11</td><td>5Bs in 3 descriptors</td></tr>
<tr><td>12</td><td>5Bs in 2 descriptors</td></tr>
</table>

Question Number		Descriptor	Result (Question Code/N/NS)
1	a	BP	
	b	BP	
	c	BS	
	d	BP	
2	i	BM	
	ii	BM	
	iii	AC	
3	3 of 1,2,3,4,5	BS	
	6	AT → BM	
	1 of 7,8	AC	
4	a	BM	
	b	AT → BM	
	c	AT → BM	
	d	BM	
5	a - 1	BP	
	a - 2	BP	
	a - 3	AE → BP	
	b	AE → BP	
6	a	BS	
	b	BS	
	c	BM	
	d	AC	

Collation of Results

Code	Tally	Total
AT		**As =**
AE		
AC		
BS		**Bs =**
BP		
BM		
Performance Category		

Key:

N = not achieved (ie. the evidence presented is incorrect, or it is not relevant to the question).

NS = not sufficient (ie. the evidence presented is correct, but not enough has been done to meet the requirements of the descriptor).