

MULTIPLE CHOICE SECTION

Questions in **bold** were answered correctly by 50% or less of students

TOPIC	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Polynomials	24	22, 23	21, 22, 23	22, 23	29, 30	8	4	9	19, 20	9
Functions and Graphs	1, 2, 3, 4, 5, 25	1, 2, 3, 4, 5, 6, 21	1, 2, 3, 4, 5, 6, 7, 25	7, 8, 9, 10, 11, 12, 25, 26	8, 9, 10, 11, 12, 31	1, 2, 3, 4, 5, 6, 7	7, 8, 10, 11, 12	4, 5, 6, 7, 8, 11, 12	1, 2, 3, 4, 5, 18, 21	10, 12, 13, 14, 15, 16, 18
Differential Calculus	6, 12, 13, 14, 15, 17, 22	12, 13, 14	13, 14, 15	13, 14, 15, 17	14, 15, 16, 17, 18, 19, 22	14, 15, 16, 17, 18	13, 14, 15, 16, 17	13, 14, 15 , 16, 17, 18	9, 10, 11	19, 20, 21, 22
Antidifferentiation and Integral Calculus	16, 18, 19, 20, 21	15, 16, 17, 18, 19, 20	16, 17, 18, 19, 20	16, 18, 19, 20, 21	20, 21, 23	19, 20, 21, 22	18, 19, 20, 21, 22	19, 20, 21, 22	12, 13, 14 , 15, 16, 17	23, 24, 25, 26, 27
Circular Functions	7, 8, 9, 10, 11	7, 8, 9, 10, 11	8, 9, 10, 11, 12	1, 2, 3, 4, 5, 6	13, 24, 25, 26, 27, 28	11, 12, 13,	1, 2, 3, 9	1, 2, 3	6, 7, 8	6, 7, 8, 17
Exponential and Logarithmic Equations	23	24	24	24	32, 33	9, 10	5, 6	10	22	11
Discrete Random Variables	26, 27, 28, 30	25, 26	26, 28, 29	27	1	23, 24	27	23	24, 25	1, 2, 3
Binomial Distribution	29, 31	27, 28	27, 30	28	2, 3	26	23	25	26	4
Normal Distribution	32, 33	29, 30, 31	31, 32, 33	29, 30, 31	4, 5, 6	27	25	26, 27	23	5
Hypergeometric Distribution						25	24, 26	24	27	
Sampling and Estimation		32, 33		32, 33	7					

MATHEMATICAL METHODS – EXAMINATION 1 SUMMARY

SHORT ANSWER SECTION

TOPIC	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004
Polynomials		1 (1)		1 (3)	4 (4)	3 (4)	2 (2)		1 (2)	
Functions and Graphs	2 (3)	2 (3)	3 (3)	3 (3)			4 (4)	5 (3)	4 (6)	2 (3), 3 (4)
Differential Calculus	1 (3)	3 (4), 4 (3)	4 (3)	4 (2)	5 (3)	6 (3), 7 (3)	5 (4), 6 (3)	6 (3), 7 (3)	2 (5)	5 (7)
Antidifferentiation and Integral Calculus	4 (2)	6 (3)	5 (3)	6 (3)	6 (4)	8 (4)	7 (3)	8 (5)	5 (4)	
Circular Functions	3 (3)		2 (3)		1 (2)	4 (2), 5 (2)	3 (3)	3 (2)	3 (2)	4 (3)
Exponential and Logarithmic Equations			1 (2)	2 (2)				4 (2)		
Discrete Random Variables			6a (1)	5 (4)				1 (3)		
Binomial and Hypergeometric Distributions						2 (3)	1 (4)	2 (2)		6 (3)
Normal Distribution	5 (2)	5 (3)			2 (2)	1 (2)			6 (4)	1 (3)
Sampling and Estimation	6 (4)		6b (1), 6c (1)		3 (2)					

* The marks allocated for each question are indicated in bracket