Advanced Higher Maths Past Paper - Topics by Unit

Unit 1

Binomial

Year	Q	#
2004	2	1
2007	1	2
2001	A6	3
2011	2	4
2013	1	5
2009	8	6
2008	8	7
2012	4	8
2014	2	9
2010	5	10

Partial Fractions

Year	Q	#
2011	1a	1
2001	A5a	2
2004	5a	3
2007	4a	4
2008	4a	5
2005	13a	6
2009	14a	7
2012	15a	8
2002	8a	9

Differentiation (unit 1)

Year	Q	#
2007	2a	1
2001	A2b	2
2003	1a	3
2009	1a	4
2011	3b	5
2002	4a	6
2013	2	7
2004	1a	8
2014	1a	9
2012	1	10
2006	2b	11
2005	1	12
2010	1	13
2008	15	14
2006	10	15
2014	13	16

Integration (unit 1)

Year	Q	#
2008	9	1
2011	1b	2
2004	5b	3
2007	4b	4
2008	4b	5
2001	A5b	6
2006	6	7
2013	6	8
2003	5	9
2005	5	10
2009	5	11
2004	9	12
2013	4	13
2008	10	14
2012	8	15
2009	7	16
2005	13b	17
2009	15b	18
2014	10	19
2004	11	20
2007	10	21
2010	15	22

Functions

Year	Q	#
2008	3	1
2001	A8	2
2002	8b	3
2009	13	4
2006	14a	5
2004	10	6
2010	10	7
2006	12	8
2003	7	9
2005	11	10
2011	6	11
2007	16a,c	12
2004	13	13
2014	11	14
2013	13	15
2012	7	16

Gaussian Elim

Year	Q	#
2002	1	1
2001	A1	2
2009	16a	3
2014	3	4
2010	14a	5
2003	6	6
2005	6	7
2006	9	8
2012	14	9

Unit 2

Differentiation (unit 2)		
2012	11a	1
2008	2a	2
2014	1b	3
2006	2a	4
2001	A2a	5
2004	1b	6
2006	11b	7
2001	A7	8
2011	3a	9
2008	5	10
2003	3	11
2005	2	12
2009	1b	13
2006	4	14
2013	11	15
2014	6	16
2012	12	17
2003	1b	18
2007	2b	19
2009	11	20
2002	4b	21
2011	7	22
2014	4	23
2004	3	24
2008	2b	25
2002	3	26
2002	9	27
2007	13	28
2010	13	29
2012	13	30

Integration (unit 2)		
2010	7	1
2010	3a	2
2011	11	3
2002	6	4
2014	12	5
2010	3b	6
2001	A3	7
2009	9	8
2013	8	9
2008	7	10
2006	14b,c	11
2002	5	12
2007	16b	13
2012	11b	14
2005	15	15
2006	17	16
2003	10	17
2014	15	18
2011	16	19

Complex Nos		
2012	3	1
2007	3	2
2002	2	3
2004	4	4
2003	4	5
2013	10	6
2011	10	7
2007	11	8
2009	6	9
2013	7	10
2005	9	11
2006	3	12
2012	16	13
2005	12	14
2003	9	15
2008	16	16
2001	A9	17
2010	16	18
2014	16	19

Series (Arith/Geom)		
2008	1	1
2010	2	2
2012	2	3
2005	4	4
2009	12	5
2011	13	6
2006	16	7
2004	16	8

Diff Eq (Var Sep)		
2009	3	1
2004	15b	2
2011	9	3
2001	A10	4
2007	14	5
2013	16	6
2003	11	7

Proof By Induction		
2003	16a	1
2001	A4	2
2013	9	3
2009	4	4
2005	10	5
2004	12	6
2012	16a	7
2010	8b	8

Proof (other)		
2010	8a	1
2013	12	2
2008	11	3
2003	8	4
2006	7	5
2010	12	6
2010	5	7

Unit 3

Vectors

2010	6	1
2014	5	2
2003	12	3
2012	5	4
2002	11	5
2013	15	6
2004	14	7
2008	14	8
2005	8	9
2009	16b,c	10
2011	15	11
2001	B6	12
2006	15	13
2007	15	14

Matrices

2013	3	1
2006	1	2
2009	2	3
2008	6	4
2011	4	5
2007	5	6
2001	B3	7
2005	7	8
2012	9	9
2003	13	10
2006	13	11
2004	6	12
2010	4	13
2002	14	14
2010	14b	15

Series (other)

2003	14	1
2006	5	2
2003	2	3
2011	8	4
2003	16b	5
2007	9	6
2014	9	7
2012	6	8
2007	6	9
2005	3	10
2009	14b	11
2003	15	12
2010	9	13
2001	B4	14
2011	5	15
2004	7	16
2002	13	17
2008	12	18
2014	14	19
2013	17	20
2002	10	21

Diff Eq (Int Factor)

2001	B2	1
2004	15a	2
2009	15a	3
2012	15b	4

Diff Eq (2nd Order)

2010	11	1
2006	8	2
2014	8	3
2001	B5	4
2007	8	5
2003	17	6
2008	13	7
2005	14	8
2002	15	9
2011	14	10
2013	14	11

Proof By Induction

2002	12	1
2014	7	2
2002	7	3
2011	12	4
2007	12	5

Euclidean Alg/No Bases

2012	10	1
2004	8	2
2013	5	3
2009	10	4
2001	B1	5
2007	7	6