

Examiners' Report: Final Honour School of Mathematics & Philosophy Part B Trinity Term 2016

October 20, 2016

Part I

A. Statistics

- **Numbers and percentages in each class.**

See Table 1, page 1.

Table 1: Numbers in each class

	Number					Percentages %				
	2016	(2015)	(2014)	(2013)	(2012)	2016	2015	(2014)	(2013)	(2012)
I	5	(7)	(7)	(7)	(9)	41.67	(43.75)	(46.67)	(43.75)	(39.13)
II.1	6	(8)	(5)	(8)	(13)	50	(50)	(33.33)	(50)	(56.52)
II.2	1	(0)	(3)	(1)	(0)	8.33	(0)	(20)	(6.25)	(0)
III	0	(1)	(0)	(0)	(1)	0	(6.25)	(0)	(0)	(4.35)
P	0	(0)	(0)	(0)	(0)	0	(0)	(0)	(0)	(0)
F	0	(0)	(0)	(0)	(0)	0	(0)	(0)	(0)	(0)
Total	12	(16)	(15)	(16)	(23)	100	(100)	(100)	(100)	(100)

- **Numbers of vivas and effects of vivas on classes of result.**

Not applicable.

- **Marking of scripts.**

All Philosophy scripts, essays and theses are double-marked, after which the two markers consult in order to agree a mark between them. If the two markers are unable after discussion to agree a mark, the mark is decided by a third examiner, within the range of the two initial marks. All Mathematics scripts were, as is the normal practice, single-marked according to carefully checked model solutions and a pre-defined marking scheme closely adhered to. A comprehensive independent checking procedure is also followed. (See the Mathematics Part B report for details). BEE extended essays and coursework for BO1.1 History of Mathematics, BN1.1 Mathematics Education and BN1.2 Undergraduate Ambassadors' Scheme were double-marked.

B. New examining methods and procedures

None.

C. Changes in examining methods and procedures currently under discussion or contemplated for the future

Two changes to examining procedures in mathematics have been agreed for next year. Firstly, the length of time allowed for mathematics single-unit papers will increase from 1.5 hours to 1.75 hours. Secondly, the supervisors of extended essays will now be appointed as one of the two assessors for the project.

D. Notice of examination conventions for candidates

The candidates were given details of the examining conventions in the notices that were sent out by the examiners.

These are available on-line at

<http://www.maths.ox.ac.uk/members/students/undergraduate-courses/examinations-assessments/examination-conventions>

Part II

A. General Comments on the Examination

The examiners are very grateful to James Knight in the Philosophy Faculty and Helen Lowe, Waldemar Schlackow and Nia Roderick in the Mathematical Institute for their enormous help at all stages in the conduct of this examination. We are grateful also to examiners and assessors in Philosophy and in Mathematics who set papers and marked scripts and essays of candidates in this examination.

The internal examiners are grateful to the external examiners Prof. Simon Blackburn (Mathematics) and Prof. Walter Dean (Philosophy) for generously performing their special roles in this process.

Prizes

The following prizes were awarded:

Gibbs Prize (performance in Mathematics papers):	Guy Fowler, Exeter College
Gibbs Prize (performance in Philosophy papers) jointly awarded to:	Guy Fowler, Exeter College James Vickers, New College.

B. Equal opportunities issues and breakdown of the results by gender

Table 2, page 3 shows percentages of male and female candidates for each class of the degree.

Table 2: Breakdown of results by gender

Class	Total		Female		Male	
	Number	%	Number	%	Number	%
I	5	41.67	-	-	5	50
II.1	6	50	-	-	5	50
II.2	1	8.33	-	-	0	0
III	0	0	-	-	0	0
P	0	0	-	-	0	0
F	0	0	-	-	0	0
Total	14	100	2	100	12	100

C. Detailed numbers on candidates' performance in each part of the exam

See Table 3, page 4 for the number of candidates taking each Mathematics paper, together with statistics for the raw marks (average and standard deviation), and USMs (average and standard deviation) attained on each paper by this cohort. It should be noted that the total raw marks for a unit are 50 whilst the USMs are scaled to a maximum of 100. In accordance with University guidelines, statistics are not given for papers where the number of candidates was five or fewer.

Table 3: Statistics by paper (Mathematics papers)

Paper	Number of Candidates	AvgRaw	StdevRaw	Avg USM	StdevUSM
B1.1	12	41.92	7.15	71.67	14.48
B1.2	12	37.42	8.71	70.17	14.06
B2.1	2	-	-	-	-
B2.2	3	-	-	-	-
B3.1	5	-	-	-	-
B3.2	1	-	-	-	-
B3.3	1	-	-	-	-
B3.4	3	-	-	-	-
B3.5	7	28	11.7	64.14	13.84
B4.1	3	-	-	-	-
B4.2	2	-	-	-	-
B8.1	1	-	-	-	-
B8.2	1	-	-	-	-
B8.3	1	-	-	-	-
B8.5	1	-	-	-	-
SB3a	1	-	-	-	-
BO1.1	1	-	-	-	-
BO1.1X	1	-	-	-	-
BN1.1	1	-	-	-	-
BN1.2	1	-	-	-	-

See Table 4, page 5 for the number of candidates taking each Philosophy paper, together with statistics for the USMs (average and standard deviation) attained on each paper by this cohort. In accordance with University guidelines, statistics are not given for papers where the number of candidates was five or fewer.

Table 4: Statistics by paper (Philosophy papers)

Paper	Number of Candidates	Avg USM	StDev USM
102 Knowledge and Reality	9	68	5.12
103 Ethics	2	-	-
104 Philosophy of Mind	1	-	-
107 Philosophy of Religion	2	-	-
108 The Philosophy of Logic and Language	3	-	-
109 Aesthetics and Philosophy of Criticism	2	-	-
113 Post-Kantian Philosophy	1	-	-
117 Frege, Russell and Wittgenstein	2	-	-
118 The Later Philosophy of Wittgenstein	1	-	-
122 Philosophy of Mathematics	12	65.58	10.06
127 Philosophical Logic	4	-	-
129 Early Modern Philosophy	3	-	-

D: Comments on papers and individual questions

See reports from Mathematics Examiners and from Philosophy Examiners.

E. Comments on performance of identifiable individuals and other material which would usually be treated as reserved business

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F. Names of members of the Board of Examiners

Prof. Simon Blackburn (external examiner)
 Prof. Walter Dean (external examiner)
 Prof. Frances Kirwan
 Prof. Dominic Joyce
 Prof. Alex Paseau
 Prof. James Studd (chair)