

# Examiners' Report: Final Honour School of Mathematics & Philosophy Part B Trinity Term 2017

October 25, 2017

## Part I

### A. Statistics

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

See Table 1, page 1.

Table 1: Numbers in each class

	Number					Percentages %				
	2017	(2016)	(2015)	(2014)	(2013)	2017	(2016)	2015	(2014)	(2013)
I	6	(5)	(7)	(7)	(7)	46.15	(41.67)	(43.75)	(46.67)	(43.75)
II.1	7	(6)	(8)	(5)	(8)	53.85	(50)	(50)	(33.33)	(50)
II.2	0	(1)	(0)	(3)	(1)	0	(8.33)	(0)	(20)	(6.25)
III	0	(0)	(1)	(0)	(0)	0	(0)	(6.25)	(0)	(0)
P	0	(0)	(0)	(0)	(0)	0	(0)	(0)	(0)	(0)
F	0	(0)	(0)	(0)	(0)	0	(0)	(0)	(0)	(0)
Total	13	(12)	(16)	(15)	(16)	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**

There were two changes to examining procedures in mathematics this year. Firstly, the length of time allowed for mathematics single-unit papers increased from 1.5 hours to 1.75 hours. Secondly, the supervisors of extended essays were appointed as one of the two assessors for the project.

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

None.

## **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, Charlotte Turner-Smith, Nia Roderick and the rest of the academic administration team 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. Alexei Skorobogatov (Mathematics) and Prof. Eleanor Knox (Philosophy) for generously performing their special roles in this process.

## **Prizes**

The following prizes were awarded:

Gibbs Prize (performance in Mathematics papers): Rosemary Walmsley, Worcester College

Gibbs Prize (performance in Philosophy papers) jointly awarded to: Samuel Barnett, Worcester College.  
Alexander Wood, Pembroke College

## **B. Equality and Diversity issues and breakdown of the results by gender**

*This data is not included in the public report as some of the cohorts contain fewer than 6 candidates.*

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

See Table 2, 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 2: Statistics by paper (Mathematics papers)

Paper	Number of Candidates	AvgRaw	StdevRaw	Avg USM	StdevUSM
B1.1	13	40	8.34	74.38	14.79
B1.2	13	37.85	11.13	72.46	17.98
B2.1	2	-	-	-	-
B2.2	2	-	-	-	-
B3.1	5	-	-	-	-
B3.4	3	-	-	-	-
B3.5	7	25.29	7.23	61	9.24
B4.1	6	33	5.76	71.83	9.24
B4.2	5	-	-	-	-
B8.1	3	-	-	-	-
B8.2	2	-	-	-	-
B8.3	1	-	-	-	-
B8.5	1	-	-	-	-
SB3a	2	-	-	-	-
CS3a	2	-	-	-	-
CS4b	1	-	-	-	-
BO1.1	1	-	-	-	-
BO1.1X	1	-	-	-	-
BN1.1	1	-	-	-	-
BN1.2	1	-	-	-	-

See Table 3, page 4 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 3: Statistics by paper (Philosophy papers)

Paper	Number of Candidates	Avg USM	StDev USM
102 Knowledge and Reality	12	66.67	3.5
104 Philosophy of Mind	3	-	-
107 Philosophy of Religion	1	-	-
108 The Philosophy of Logic and Language	5	-	-
112 The Philosophy of Kant	2	-	-
117 Frege, Russell and Wittgenstein	3	-	-
118 The Later Philosophy of Wittgenstein	1	-	-
122 Philosophy of Mathematics	13	67.85	5.13
127 Philosophical Logic	1	-	-
129 Early Modern Philosophy	1	-	-

## **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**

*Removed from public version of the report.*

## **F. Names of members of the Board of Examiners**

Prof. Eleanor Knox (external)  
Prof. Frances Kirwan (chair)  
Prof. Dominic Joyce  
Prof. Alex Paseau  
Prof. Simon Saunders  
Prof. Alexei Skorobogatov (external)