

## Notes on the MAT Paper (3 pages; 1/12/24)

(1) Website

[Maths Admissions Test | Mathematical Institute \(ox.ac.uk\)](https://www.maths.admissions.test/)

(2) Date of paper (in 2024): 31<sup>st</sup> October 2024

(3) Format of paper (2½ hours)

25 Multiple Choice questions (2, 3 or 4 marks)

2 Long questions (15 marks)

(total of 100 marks)

[Prior to 2024, there were 10 multiple choice questions (4 marks) and 4 long questions (15 marks), with different combinations of long questions, depending on the course applied for.]

The Multiple Choice questions usually have 5 choices (prior to 2014, there were only 4). No marks are lost for incorrect answers. Candidates are encouraged to show their working out (depending on the university, Admissions tutors may have access to the actual scripts).

(4) Syllabus (see website link above)

Assumes knowledge of the Pure content of the 1st year of the A Level, plus Arithmetic & Geometric Series.

Prior to 2018, the syllabus also included the following topics:

- Remainder theorem

- Radians
- Trapezium rule

From 2018, the following topics were added:

- Combinations & Binomial probabilities
- Derivative of  $e^{kx}$
- Differentiation from 1st principles
- Graph of  $\log_a x$

#### (5) Conduct of the exam

(i) Computer-based. (There is a practice computer-based paper, made up of questions from past papers.)

(ii) No calculators, formulae booklets or dictionaries (including foreign).

#### (6) Applications (for all Maths courses) / invited to interview / offered places:

2023 2749 / 950 (35%) / 294 (11%)  
 2022 2700 / 782 (29%) / 288 (11%)  
 2021 2869 / 787 (27%) / 279 (10%)  
 2020 2870 / 856 (30%) / 279 (10%)  
 2019 2682 / 765 (29%) / 287 (11%)  
 2018 2445 / 828 (34%) / 288 (12%)  
 2017 2281 / 778 (34%) / 290 (13%)  
 2016 1973 / 791 (40%) / 281 (14%)  
 2015 1879 / 809 (43%) / 285 (15%)  
 2014 1672 / 782 (47%) / 270 (16%)

2013 1394 / 759 (54%) / 263 (19%)

2012 1298 / 705 (54%) / 252 (19%)

2011 1321 / 694 (53%) / 261 (20%)

(7) Average % scores (invited to interview / offered places)

2023 68% / 75%

2022 65% / 72%

2021 70% / 74%

2020 75% / 82%

2019 64% / 69%

2018 67% / 73%

2017 69% / 74%

2016 67% / 73%

2015 56% / 63%

2014 63% / 72%

2013 54% / 61%

2012 63% / 68%

2011 63% / 71%