

## Notes on the MAT Paper (3 pages; 7/10/21)

(1) The MAT paper is used by Oxford, Imperial College London and Warwick. It usually takes place in the first week of November.

(See: <http://www.admissionstestingservice.org/for-test-takers/mat/about-mat/>)

(2) Format of paper (2½ hours)

Q1 (A)-(J) multiple choice questions (4 marks each); 5 choices [4 prior to 2014]

4 long questions (15 marks each), depending on course applied for (Q2-5 for Mathematics)

(3) 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  $\log_a x$

## (4) Conduct of the exam

(i) No calculators, formulae booklets or dictionaries (incl. foreign)

(ii) Answers are written in the question booklet (there are spare blank pages).

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

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%)

## (6) Average % scores (invited to interview / offered places)

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%

(7) Materials on MAT website

(i) Syllabus

(ii) Notes on the past papers (eg Notes 2020)

(iii) "MAT Syllabus Practice"

Short questions to test whether you have covered the required syllabus.