

Notes on the MAT Paper (3 pages; 6/8/20)

(1) The MAT paper is used by Oxford, Imperial College London and Warwick. It takes place on 4 Nov. 2020.

(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

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)

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 (see MAT website)

(i) Syllabus

(ii) "MAT Syllabus Practice"

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