

SYLLABUS.

THIRTY-SIXTH SESSION, 1917-18.

First Meeting, Friday, 9th November 1917.

1. The Apolar Locus of two Tetrads of Points on a Conic Dr W. P. MILNE.
2. The Brocard and Tucker Circles of a Cyclic Quadrilateral - - - - - F. G. W. BROWN.

Second Meeting, Friday, 14th December 1917.

1. Nicole's Contribution to the Foundation of the Calculus of Finite Differences - - - C. TWEEDIE.
2. An Asymptotic Representation of the Exponential Function - - - - - Prof. E. T. WHITTAKER.

Third Meeting, Friday, 11th January 1918.

1. On a Difference Equation due to Stirling - - Miss E. PAIRMAN.
2. On Bernoulli's and Fürstenau's Methods for the Solution of Equations - - - - Prof. E. T. WHITTAKER.
3. An Approximate Formula for the Length of an Arc of a Suspended Rope - - - - Dr E. M. HORSBURGH.

Fourth Meeting, Friday, 8th February 1918.

1. The Parameter Method of Iteration - - - G. SMEAL.
2. A New Form of the Remainder in Newton's Interpolation Formula - - - - Miss E. PAIRMAN.

Fifth Meeting, Friday, 8th March 1918.

1. Quaternion Note on the Theory of Confocals - - Dr C. G. KNOTT.
2. (a) A Graphic Method of determining the Maximum Bending Moment for a Rolling Load on a Uniform Beam - - - - -
(b) Geometrical Notes on the Accelerations of Points of a Rigid Plane Body moving in its own Plane } Dr R. F. MUIRHEAD.

Sixth Meeting, Friday, 10th May 1918.

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| 1. (a) Some Applications of Spherical Geometry to
Geometrical Optics | - - - - }
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D. M. V. SOMMERVILLE. |
| (b) Note on the Minimum Duration of Twilight | - - - - } | |
| 2. Note on the Radical Axis of Intersecting Circles | | - Dr T. H. MILLER. |

Seventh Meeting, Friday, 14th June 1918.

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| 1. Relations connected with Generalised Differentiation | - - - - | Miss E. PAIRMAN. |
| 2. Some new Expansions in Series of Polynomials | - - - - | Prof. E. T. WHITTAKER. |