

1934

Chemical Analysis (2nd Year): Technical School Examinations 1934

Department of Education: Technical Instruction Branch

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COURSES IN APPLIED CHEMISTRY.

(42)

AN ROINN OIDEACHAIS.

(Department of Education.)

BRAINSE AN CHEARD-OIDEACHAIS.

(Technical Instruction Branch.)

TECHNICAL SCHOOL EXAMINATIONS.

1934.

CHEMICAL ANALYSIS.

(Second Year.)

Wednesday, May 16th—6.30. to 10 p.m.

Examiner—PROFESSOR JOSEPH REILLY, M.A., SC.D., F.I.C.,
F.INST.P., F.R.C.Sc.I.

Co-Examiner—E. P. BARRETT, ESQ., B.A., B.Sc.

GENERAL INSTRUCTIONS.

You are carefully to enter on the Answer Book and Envelope supplied your Examination Number and the subject of examination, but you are not to write your name on either. No credit will be given for any Answer Book upon which your name is written, or upon which your Examination Number is not written.

You must not, under any circumstances whatever, speak to or communicate with another candidate; and no explanation of the subject of the examination may be asked for or given.

You must remain seated until your answer-book has been taken up, and then leave the examination-room quietly. You will not be permitted to leave before the expiration of twenty minutes from the beginning of the examination, and will not be re-admitted after having once left the room.

If you break any of these rules, or use any unfair means, you are liable to be dismissed from the examination, and your examination may be cancelled by the Department.

Three hours and a half are allowed for this paper. Answer-books, unless previously given up, will be collected at 10 p.m.

2

INSTRUCTIONS.

Read the General Instructions on page 1.

- (a) Answers must be written in ink.
- (b) An account must be given of the tests to which the mixture supplied is submitted.
- (c) Each bottle has a special number on it. This must be given on your answer-book.
- (d) Both questions may be attempted.

NOTE.—If a candidate requires any material or apparatus not supplied on his bench, he should communicate with the Superintendent.

1. Bottle A contains a mixture of two salts. Identify the metals and acids present.
2. Bottle B contains a mixture of sodium iodide and sodium sulphate. Estimate the amount of sodium iodide in 1 gram of the mixture.