1933

Building Construction (3rd Year): Technical School Examinations 1933

Department of Education: Technical Instruction Branch

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COURSE IN BUILDING.

AN ROINN OIDÉACHAIS.
(Department of Education.)

BRAINSE AN CHEÁRD-OIDÉACHAIS.
(Technical Instruction Branch.)

TECHNICAL SCHOOL EXAMINATIONS.
1933.

BUILDING CONSTRUCTION.
(Third Year.)

Tuesday, May 16th—7 to 10 p.m.

Examiner—W. S. Blair, Esq.
Co-Examiner—F. W. Sinclair, Esq.

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 have with you any book, notes, or scribbling paper.

You are not allowed to write or make any marks upon your paper of questions.

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 commencement 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 are allowed for this paper. Answer-books, unless previously given up, will be collected at 10 p.m.
7. Make drawings illustrating the following terms in masonry:—Joggle joint; Weathered or saddle joint; Rag bolt; Corbel; Blocking course; Plinth; Kneeler. State the use of each.

8. Draw a horizontal section through both jambs of a window opening in a 22 inch snecked rubble wall. The opening to have moulded dressings and splayed inside jambs. Show the joints of the stones. Scale one-sixteenth.

9. Draw a vertical section through a panelled dado in wood, showing how it is fixed to a brick wall. The height of dado to be 3 feet 6 inches and to have moulded skirting and surbase moulding. Scale one-twelfth.

10. Draw to a scale of 1 inch to 1 foot the centre for an elliptical masonry arch, span 5 feet 6 inches, rise 1 foot 9 inches.

11. Make provision made for supporting and “striking” the centre.

12. Make sectional drawings approximately full size, illustrating two methods of patent glazing without putty.

13. Specify and describe the work required and the materials used in the following:—(a) Painting a new door to a good-class dwelling house. (b) French-polishing a new mahogany door.


15. A town house in a terrace has kitchen and scullery in the basement, a W.C. on the ground floor, bath room and W.C. on the first floor. The drain passes under the house to the street sewer.

Illustrate how you would insure efficient sanitary drainage and write a brief specification for the work.