Design and execution of engineering installations for office buildings, factories or hospitals, including heating, ventilation, air conditioning, electric wiring, illumination, and lifts.

Design and installaton of mechanical plant such as steam boilers, pressure vessels, pumps, water treatment, refrigeration, chemical processes, air compressors and air, hydraulic or steam pipelines, I.C. engines.

Design and installation of electrical plant such as transformers, switchgear, H.T. and L.T. overhead and underground distribution, D.C. and A.C. motors and generators and rectifiers.

Management of operation and maintenance of engineering plant in large office buildings, factories or institutions.

Air Ministry.

Candidates must :—

I. (*a*) be holders of a University degree in electrical and/or mechanical engineering, and have served at least two years' apprenticeship; *or*

(*b*) be graduates of the Institution of Electrical Engineers, or hold an equivalent diploma in electrical engineering, and have served at least three years' apprenticeship; *or*

(*c*) be graduates of the Institution of Mechanical Engineers, or hold an equivalent diploma in mechanical engineering with appreciable electrical engineering experience and have served at least a three-year apprenticeship.

II. Have been employed for a minimum of two years with a well-established engineering concern of sufficient size and scope for them to have gained experience in both mechanical and electrical engineering.

(B) The Departmental Variants.

(a) *Ministry of Civil Aviation.*

Candidates must :—

(i) be Corporate Members of the Institution of Electrical Engineers, or be Associate Fellows of the Royal Aeronautical Society; *or*

(ii) have passed Sections A and B of the Associate Membership Examination of the Institution of Electrical Engineers, or hold an educational qualification recognized by that Institution as giving exemption from examination in those Sections; but candidates admitted under this sub-section must normally obtain the qualification in sub-section (i) above before they are confirmed in their appointment (Exception may be made in special circumstances provided for in Regulation 4A (i) (*b*) on page 6; *or*

(iii) hold a first or second class Honours degree in Physics or Engineering *provided that* the Commissioners may at their discretion admit, exceptionally, candidates who furnish evidence of high professional attainment.

In addition all candidates must produce evidence that both the examination subjects included in their qualifications and their practical experience justify their employment on civil aviation telecommunications duties.

(b) *Ministry of Fuel and Power.*

Candidates for Assistant Fuel Engineer posts must :—

(i) have obtained Corporate Membership of the Institute of Fuel by examination, or of the Institution of Mechanical or Chemical Engineers *or*

(ii) have a University Engineering degree or other examination passes required by the Institution of Mechanical Engineers or the Institute of Fuel for exemption from Sections A and B of their examinations for Associate Membership *or*

(iii) be Graduate Members of the Institution of Chemical Engineers.

Candidates admitted under sub-sections (ii) or (iii) above must normally obtain the corresponding qualification in sub-section (i) above before they are confirmed in their appointment. (Exception may be made in special circumstances as in Regulation 4A (i) on page 6.)

Candidates should also have industrial experience in the use of fuel and power and practical knowledge in one or more of the following subjects :—

(i) the transmission and use of steam for power, and process of heating purposes;

(ii) the combustion and properties of British coals and other fuels;

(iii) producer gas practice and its application to metallurgical furnaces;

(iv) the design and operation of boilers, furnaces and ancillary equipment;

(v) heating and ventilation practice and the domestic uses of fuel.

Candidates for the Electricity meter examiner post must :—

(*a*) have obtained Corporate Membership of the Institution of Electrical Engineers, *or*

(*b*) have a University degree in Electrical Engineering or other examination passes required by the Institution of Electrical Engineers for exemption from Sections A and B of their Examination for Associate Membership, but candidates admitted under this sub section must normally obtain the qualification in sub-se tion (*a* above before they are confirmed in their appointment. (Exception may be made in special circumstances as in Regulation 4A (i) on page 6.)

Candidates must also have :—

(*a*) not less than three years' experience in precision electrical measurements and the testing of all types of electricity supply meter, *and*

(*b*) at least a three year apprenticeship or pupilage with an electrical engineering firm of repute or in the Electricity Supply Industry,

or, in place of (*b*)

(*c*) after graduation at a University, general practical training or pupilage with an electrical engineering firm of repute or in the Electricity Supply Industry.

(c) *Post Office.*

Candidates must normally possess an Honours degree in Mechanical or Electrical Engineering or in Physics, but exceptionally the Commissioners may accept any other candidate qualified under Regu ation 4A (i on page 6.

(d) *Ministry of Supply.*

The paper qualifications required are the same as for the General Service competition (see Regulation 4A (i) (*a*) (*b*) and (*c*) on page 6), except that Associate Fellowship of the Royal Aeronautical Society will be accepted as an alternative to Corporate Membership of one of the Institutions named in Regulation 4A (i) (*a*), and, similarly equivalent qualification to Sections A and B of the Society's examination for Associate Fellowship will be accepted as an alternative to the qualifications in Regulation 4A (i) (*b*). In addition, candidates must have received a full and proper training as an engineer and will be required to state on their application forms the nature of any particular engineering experience they have gained. Training must include an engineering apprenticeship or pupilage including a minimum period of two years in the workshops of an establishment of good standing.

5. *Health and Character.*

Successful candidates must satisfy the Commissioners as to their health and character.

6. *Application.*

Only one application may be made under these Regulations. Application must be made on the appropriate form within the time and in the manner of which notice is given by the Commissioners.

7. *Competition.*

Those candidates who on the evidence of their Application Forms, and any further information which the Commissioners think necessary to obtain, are found to be *prima facie* eligible, will be summoned to a Selection Board. The Commissioners may, if they see fit, summon only those candidates who by reason of their experience and qualifications, appear to be most suitable for appointment. The same Selection Board may consider a candidate at one interview for one or more of the competitions. The Selection Boards will take into consideration the candidates' record of experience and training, any recommendation from persons named by the candidates as having direct knowledge of their work in the past, and the personal qualities of the candidates as shown at the interview; and on their estimate of all the above facts they will frame their recommendations. The decisions of the Commissioners will be final and will be announced separately for the separate competitions.

8. *Candidates Trained as Teachers.*

Persons upon whose training for the occupation of teacher public money has been spent cannot be appointed until the consent of the appropriate education authority (*e.g.*, the Ministry of Education, the Scottish Education Department, the Ministry of Education for Northern Ireland) has been notified to the Commissioners.

9. *Assignment.*

The Commissioners will decide to which Department each successful candidate is to be assigned. Assignment will be made in accordance with the needs of the public service but the wishes of candidates will, where possible, be respected.

10. *Canvassing.*

Any attempt on the part of candidates to enlist support for their application through Members of Parliament or other influential persons, except as referees to be named in their Application Forms, will disqualify them for appointment.

11. *Fee.*

A successful candidate will be required to pay a fee of £1 10s. before the issue of a Certificate of Qualification for appointment.