

(A)

Govt of Madras

E & P. + Dept.

Ms. No. 1978

(Edu)

d. 10. 8. 48

closed

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Supt

(18)

Sub: Govt. Technical Exams in Shorthand and
Typewriting in certain regional
languages - Conduct of Twice a Year -
Amendment to notification Published.

V. P. R. S.
11.9.10.48 - copy to AM

Subject:--

Examinations - Government Technical - Examinations in Shorthand and Typewriting - in certain regional languages - conduct of - twice a year.

R.C.No.159-D/48.

Station:-- Madras.

Dated 12th July 1948.

From(Name):-- Sri D.S. Reddi, M.A., (Oxon)., M.B.E.,
(Designation):- Commissioner for Government Examinations,
Madras.

52375

To

The Secretary to the Government of Madras,
Education and Public Health Department,
Fort St. George, Madras.

Sir,

With reference to G.O.Ms.No.1707 Education, dated 6th July 1948, I have the honour to submit for approval and publication in the Fort St. George Gazette a draft (in duplicate) of the amendments to be made in the Notification regulating the Government Technical Examinations.

Yours faithfully,

P. S. Ganapathy
Fr. COMMISSIONER. 13.7.48

m.t./13.7.48

2 ✓
Draft Amendment. (3) 3/

Government Technical Examinations.

In Notification No.29 regulating the Government Technical Examinations published on pages 85-88 of Part I-B of the Fort St. George Gazette, Madras, dated 29th January 1924 as subsequently amended:--

A In para 4 for the existing fourth sentence, viz., "The examinations in Shorthand and Typewriting alone will be held once again in October", substitute the following:--

"The examinations in Shorthand(English, Tamil, Telugu and Malayalam)and Typewriting (English, Tamil and Telugu)" alone will be held once again in October.

--oOo--

Draft Amendment.

Government Technical Examinations.

In Notification No.29 regulating the Government Technical Examinations published on pages 85-88 of Part I-B of the Fort St. George Gazette, Madras, dated 29th January 1924 as subsequently amended:--

In para 4 for the existing fourth sentence, viz., "The examinations in Shorthand and Typewriting alone will be held once again in October", substitute the following:--

"The examinations in Shorthand(English, Tamil, Telugu and Malayalam)and Typewriting (English, Tamil and Telugu)" alone will be held once again in October.

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S.P.H. (83)

T.M. dated 26. - 7-48.

73 MS/
ad 7

From

The Asst Secy. to Govt.
S.P.H. Dept
Jab St George.

Issued
RSM
26-7-48

To

The Secy. to the C.S.E.

Govt Technical Exams in shorthand
and Typewriting in certain regional
languages - Conduct of twice a year.

p. 1 g

Ref: From the C.S.E., Re. No. 159-D/48, d. 12-7-48

Please furnish an up to date copy
a) ③ of ~~the~~ Notn. No. 29^{20.12.1923} regarding Govt Technical

87

Examinations

23-7-48

3.7.48

2/7/48

P.C. 6 go.

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10/8

Sub: Foot Technical Exams in Shorthand and
Typewriting in certain regional languages.
Conduct of twice a year - Amendment
to Notification - Published.

(M)
p. 14

Ref: Read again G.O. No. 1707 Edu. d. 6.7.48
From the C. y. E. R.C. No. 159-7/48. d. 12.7.48

G.O. No. 1978 Edu. d. 10.8.48

The appended Notification will be
published in the Fort St. George Gazette.

To.
The C. y. E.
P. I.

S. g. P (For publication of Notification)

d. y. 12/8/48

S/c

Appendix.

Notification.

In the Notification No 29 regarding
Foot Technical Examinations published

P.T.O

10/

published on pages 85-88 of Part 1-B of the Fort St. George Gazette dated 29th Jan. 1924 as subsequently amended, the following amendment to para 4 will be made:

Amendment

(Hence enter 'A' on p 3 cf.)

In paragraph 4, of the notification the following shall be substituted for the fourth sentence, namely:-

"The examinations in Shorthand (English, Tamil, Telugu and Malayalam) and Typewriting (English, Tamil and Telugu) alone will be held once again in October."

ces
5/8/48

vr
6-8-48

W. J. P.

(5)

p-3 cf

up to p 4 at (5)

'x'amp 1 cf (5)

'x'amp 1 cf (5)

Examination 8, Govt. Technical in Shorthand and Typewriting in certain regional languages Conduct of - Amendments.

Please See the letter from the C. of. E. on p. 1 cf. He requests amendment to be made ^{to para 4 in} the existing Notification regulating Govt. Technical Exams. In this connection kind attention is invited to the fourth sentence in para 4 of the present Notification No. 29, where no specific mention of any language has been made. As such, the question of amending it does not arise. The C. of. E. may be requested to state the necessity of amending the present notification.

The draft below is for approval.

ces
21/8/48
ces
2/8/48

No reference is necessary. Hitherto all examinations used to be conducted only in English. The necessity for holding the examinations in the other languages has arisen now and go No. 1707 Edn. of 6-2-48 in re: the holding of examinations in the languages has been issued. The proposed amendment has been necessitated on account of the go referred to above. Draft approving the amendment may be put up.

vr
4-8-48

The draft approving the amendment below is submitted for approval.

ces
5/8/48
ces
9/8/48

vr
6/8/48

W. J. P.

(Issued as G.O. 1978 Edn. d. 10.8.48)

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55965

NOTIFICATION REGULATING THE GOVERNMENT TECHNICAL EXAMINATIONS

PART I.

1. The Government Technical Examinations, formerly known as the Examinations in Science, Art, Industries and Commerce, are intended for the encouragement of scientific and technical instruction, with special reference to manufacture and industries, and generally to the necessities of the practical side of life.

2. The examinations shall be under the control of the Commissioner for Government Examinations and shall be conducted, under his orders, by means of Boards of Examiners appointed by him.

3. The Boards shall be appointed for three years, but any member may be removed, without reason assigned, at the discretion of the Commissioner.

The Chairman of each Board shall be selected by the Commissioner.

4. The examinations shall be held at such centres as the Commissioner may, from time to time, select. They may also be held in any centre in British India outside the Madras Presidency and in Indian States provided that the Governments and Darbars concerned undertake to bear all local expenses and arrange for proper supervision and that the fees paid by the candidates are credited to the Madras Government: provided also that a list of places at which it is desired to hold the examinations is furnished to the Commissioner not less than six months before the date fixed for the examinations. The examinations in the subjects included under the groups headed "Civil, Mechanical and Electrical Engineering," and in the subjects of Agriculture, Cotton and Carpet-weaving and in the subjects of the group headed "Commerce" will be held in April. The examinations in Shorthand and Typewriting alone will be held once again in October. The examinations in all the remaining subjects will be held in November. The order of time and subjects in which the examinations will be held will be published annually under the authority of the Commissioner in the Fort St. George Gazette.

5. The educational qualifications required of candidates applying for the Government Technical Examinations are as follows:—

I.—SUBJECTS INCLUDED UNDER THE HEAD "COMMERCE."

(1) *Lower Grade.*—(a) Candidates for the Lower Grade examination who are certified by the head of a school of commerce to have completed the course in the subject or subjects should have obtained completed Secondary School-Leaving Certificates, or have passed the European Middle School Examination.

(b) *Candidates.*—

(i) who are graduates, or
(ii) who have previously appeared for examination in the subject, or
(iii) who have been employed in mercantile offices and have put in a service of at least two years, provided that their applications are submitted for exemption in proper time through the heads of the offices in which they are employed and that the heads of the offices certify that their conduct and their progress in the subject in which they wish to be examined, justify their appearance, shall be admitted as private candidates.

(2) *Higher Grade.*—(a) Candidates for the Higher Grade examinations who are certified by the head of a school of commerce to have completed the course in the subject or subjects should be—

(i) Graduates, or

(ii) Secondary School-Leaving Certificate holders who have been declared eligible for University courses of study in the Madras Presidency and

C.F. 304.

OFFICE OF THE

Date 194 .

Hours Minutes

TELEPHONIC MESSAGE.

From

To

Posti. Secy
2 P.M.

Secy C.G.E.

sub: Govt. Technical Exam
in Shorthand & Typewriting
in the certain regional
languages included
twice a year
Ref: From the C.G.E. Re.
p274/10 159-87/442 d 12-7-38
Pl furnish an
up to date copy of
Notification no 29 d 20-12-
re the Govt. Technical Exam.
1923
Please write on both sides.

The following are the groups of subjects for which *Group Certificates* and *Diplomas* shall be awarded:—

GROUP CERTIFICATES.

For Group Certificates under certain heads, a first-class pass is required in the main subject included in the group. Such subjects are printed in *italics* in the groups below:—

Group Certificate in Building Construction.
 Building Drawing and Estimating. Lower.
 Applied Mechanics Do.
 Earthwork and Road-making Higher.
 Building Materials and Construction. Do.

Group Certificate in Machine Construction.
 Machine Drawing Do.
 Applied Mechanics Do.
 Heat Engines Higher.
 Machine Construction Do.

Group Certificate in Machine Drawing.
 Geometrical Drawing Lower.
 Mensuration Do.
 Machine Construction Do.
 Applied Mechanics Higher.
 Machine Drawing Do.

Group Certificate in Building Drawing.
 Geometrical Drawing Lower.
 Mensuration Do.
 Building Materials and Construction. Do.
 Applied Mechanics Higher.
 Building Drawing and Estimating. Do.

Group Certificate in Surveying.
 Earthwork and Road-making Lower.
 Mensuration Do.
 Geometrical Drawing Do.
 Surveying and Levelling Higher.

Group Certificate in Irrigation Engineering.
 Building Materials and Construction. Lower.
 Earthwork and Road-making Do.
 Building Drawing and Estimating. Higher.
 Hydraulics and Irrigation Works Do.

Group Certificate in Electrical Engineering.
 Machine Drawing Lower.
 Applied Mechanics Do.
 Heat Engines Do.
 Electric Light and Power Higher.

Group Certificate in Drawing.
 Freehand Outline and Model Drawing. Higher.
 Geometrical Drawing Lower.
 Design Do.
 Painting Do.

Group Certificate in Letterpress Printing.
 Compositor's Work Higher.
 Proof-reader's Work Lower.
 Press Work Do.
 Machine Work Do.

Group Certificate in Book-binding.
 Book-binding Higher.
 Printer's Warehouse Work Lower.

Group Certificate in Type-founding.
 Type-casting Higher.
 Stereo-typing Lower.
 Electro-typing Do.

Group Certificate in Shorthand and Typewriting.
 Shorthand Higher.
 Typewriting Do.
 Theory and Practice of Commerce. Do.

Group Certificate in Book-keeping.
 Book-keeping Higher.
 Theory and Practice of Commerce. Do.

Group Certificate in Banking.
 Theory and Practice of Commerce. Higher.
 Commercial Geography Do.
 Banking Do.

Group Certificate in Needle-work and Dress-making.
 Needle-work and Dress-making Higher.
 Embroidery Do.

DIPLOMAS.

Diploma in Drawing.
 Freehand Outline and Model Drawing. Higher.
 Drawing Do.
 Geometrical Drawing Do.
 Design Do.
 Painting Do.

Diploma in Commerce.
 Theory and Practice of Commerce. Higher.
 Book-keeping Do.
 Commercial Geography Do.
 Banking Do.
 Shorthand Lower.

NOTE.—The Group Certificate in Machine Construction will be granted only on the successful candidates producing either a school-leaving certificate in Fitter's Work granted in the Department of Industries or a certificate of having satisfactorily served for one year in an Engineer's (Fitter's) Workshop.

10. The names of successful candidates in each subject arranged in two classes, first and second, and the names of candidates who are qualified for Group Certificates and Diplomas will be published in the *Fort St. George Gazette*. To each candidate who passes in any subject there will be given a certificate stating the subject in which he has passed and the class in which he has been placed.

11. Candidates must send in their applications for admission not later than 31st January for the April examinations, 10th August for the October examinations and 31st August for the November examinations. Belated applications received after these dates will, however, be accepted for a period of fifteen days only (i.e., not later than 15th February, 25 August and 15th September for the April, October and November examinations) on payment of a penal fee of rupee one each and no such applications will be entertained after the lapse of fifteen days from the prescribed date for receipt of applications.

NOTE.—The Commissioner for Government Examinations, Madras, is empowered to notify an extension of the time for the submission of applications in the case of deserving groups of candidates for all the Technical Examinations conducted by him.

PART II.

RULES FOR THE GRANT OF CERTIFICATES OF COMPETENCY FOR ENGINE-DRIVERS AND ATTENDANTS ON REFRIGERATING MACHINES AND CERTIFICATES FOR FIRST AND SECOND-CLASS ENGINEER-OPERATORS.

I.—BOARD OF EXAMINERS.

1. (1) The Board of Examiners, hereinafter referred to as the Board, shall consist of the following members:—

- 1 The General Superintendent, Public Works Workshops, Madras.
- 2 The Junior Superintendent, Public Works Workshops, Dowlaishwaram.
- 3 The Junior Superintendent, Public Works Workshops, Bezwada.
- 4 The Executive Engineer, Godavari Headworks Division.
- 5 The Executive Engineer, Periyar Division, Madras.
- 6 The Chief Inspector of Boilers, Madras.
- 7 The Mechanical Expert under the Sanitary Engineer, Madras.
- 8 The Inspector of Boilers, Madras Circle.
- 9 The Inspector of Boilers, Waltair Circle.
- 10 The Inspector of Boilers, Trichinopoly Circle.
- 11 The Industrial Engineer, Madras.
- 12 The Assistant Industrial Engineer, Madras.
- 13 The Assistant Industrial Engineer, Tanjore.
- 14 The Assistant Industrial Engineer, Bezwada.
- 15 The Inspector of Industrial Schools, Madras.

(2) The General Superintendent, Public Works Workshops, Madras, shall be the President of the Board.

2. The examiners shall receive such fees as the Government may from time to time fix in that behalf.

II.—EXAMINATIONS.

3. (1) The examinations shall be conducted by the Commissioner for Government Examinations every year in the month of July. The examination for the grant of certificates of competency for Engine Drivers shall be held at Dowlaishwaram and Madras while that for the grant of similar certificates for first and second class Engineer-Operators and certificates of competency for Attendants on Refrigerating Machines shall be held at Madras only.

(2) The date of the examination shall be notified in Part I-B of the *Fort St. George Gazette* not less than two months in advance.

(3) The President of the Board and at least one and not more than two other members of the Board stationed near the centres specified in sub-rule (1) chosen by the President shall be present for holding the examinations at the centre concerned. If for any reason the President is unable to be present, he shall nominate another member of the Board in his place.

4. There shall be three examinations, namely—

- (1) an examination for a certificate of competency for Engine Drivers, and
- (2) an examination for Engine-Operators' certificate in two classes, namely, first class and second class, and
- (3) an examination for a certificate of competency for Attendants on Refrigerating Machines.

III.—APPLICATION FOR EXAMINATIONS.

5. (1) A candidate for any of the examinations mentioned in rule 4 shall apply to the Commissioner for Government Examinations in Form A appended to these rules and the application should reach his office on or before the 30th April immediately preceding. Such application shall be signed by the candidate whose signature shall be attested by an Honorary Magistrate or by any other responsible person mentioned in the form and shall be accompanied by the following documents, namely:—

- (a) originals and copies of all testimonials,
- (b) a receipt from a Government treasury or the Reserve Bank of India, Madras, or its agency for the fee prescribed hereunder,
- (c) a certificate from a registered medical practitioner regarding the age of the candidate and his physical fitness,
- (d) two copies of the bust photograph of the candidate, carte-de-visite size, and
- (e) the certificate of competency, if any, granted to the applicant under these rules or any similar certificate granted by any competent authority in India, Burma or any British Dominion or Colony.

(2) The Commissioner for Government Examinations will, on receipt of the applications, scrutinize the testimonials and prepare the preliminaries for the examination in consultation with the President of the Board.

IV.—FEES.

6. Applications for admission to any of the examinations mentioned in rule 4 or for an exchange certificate referred to in rule 23 shall pay the following fees:—

Certificate of competency for Engine Driver	RS.
Certificate of competency for Attendants on Refrigerating Machines	7
Certificate for Engineer-Operator, second class	7
Do. first class	10
Exchange certificate of competency for Engine Driver	15
	5

NOTE.—An applicant for admission to an examination in more than one type of power unit falling under the main classifications of steam engines, oil engines and gas engines shall pay separate fees for examination in each type. In such cases, the fee for one of the types shall be Rs. 7 and that for each of the other types shall be Rs. 5.

7. Candidates once admitted to an examination shall not be entitled to any remission of fees, if they fail to attend or pass the examination. The Commissioner for Government Examinations may refund, on application, the fee paid by any candidate found ineligible for admission to the examination. Any candidate who appears and fails to pass the examination may appear at the next or any subsequent examination on payment of the full fee prescribed therefor.

V.—TESTIMONIALS.

8. No applicant shall be admitted to the examination who cannot produce satisfactory testimonials stating clearly the capacity (i.e., as driver, assistant driver, boiler attendant, refrigerating machine attendant, fireman apprentice or engineer) in which he was employed and certifying to his experience, ability, sobriety and general good conduct for the whole period of his qualifying service referred to in rules 13, 14 and 15-A. Breaks in such qualifying service must be explained satisfactorily.

9. The testimonials shall—

(a) be signed by the engineer or other responsible person under whom the applicant worked; and

(b) be countersigned

(i) by the applicant's employer, for example, the owner, agent or manager of the factory or workshop, the Loco Superintendent of a railway, the master of a vessel, the executive engineer, the executive authority of the municipality or the president of the district board, or

(ii) by the Principal of a recognized technical institute or College of Engineering.

10. If the Commissioner for Government Examinations and the President of the Board have reason to doubt the truth of any statement contained in the application or any testimonial, they may make such enquiries as they think fit and require the testimonial to be authenticated by the testimony of some responsible person having personal knowledge of the matter in doubt.

11. Where the Commissioner for Government Examinations and the President of the Board are satisfied after due enquiry that any testimonial tendered by a candidate is false, they may, by a written order, debar such candidate from being admitted to any subsequent examination held under these rules, and if upon the tender of such a testimonial, he has already been admitted to the examination, may declare him to have failed therein.

12. Applications and copies of testimonials submitted by candidates shall be filed in the office of the Commissioner for Government Examinations. The originals of testimonials shall be returned to the candidates after the examination is over.

VI.—TRAINING.

13. A candidate for a certificate of competency for Engine Driver shall prove to the satisfaction of the President of the Board that—

(a) he has obtained certificate of pass from the III Form to the IV Form in any recognized school;

(b) (i) he has served for not less than three years as a fireman, attendant, driver or assistant driver on a steam engine and boiler, or a gas or an oil engine; or

(ii) he has completed a course of apprenticeship in the Public Works Workshops for a period of not less than five years or alternatively has worked for not less than five years—

(1) in the mechanical section of the General Hospital, Madras, provided that at least one year of the period of the apprenticeship has been spent in attendance under regular working conditions on a steam engine and boiler or gas or oil engine; or

(2) in any other recognized workshop, where the erections, repairs and fittings of boilers and engines are done.

14. A candidate for a certificate of second-class Engineer-Operator shall prove to the satisfaction of the President of the Board that—

(a) he has obtained a diploma or certificate after completing a three years' course in Mechanical Engineering in a recognized technical institute or college

and has put in not less than two years' attendance under regular working conditions on a steam engine and boiler or an oil or other engine of over 50 b.h.p. in which he desires to be examined; or

(b) he has obtained a diploma or certificate after completing a five years' course in a recognized institute or college and has put in not less than one year's attendance under regular working conditions on a steam engine and boiler or oil or other engine of over 50 b.h.p. in which he desires to be examined.

15. A candidate for a certificate of first-class Engineer-Operator shall prove to the satisfaction of the President of the Board that—

(a) he after obtaining a certificate of second-class Engineer-Operator has put in not less than three years' attendance under regular working conditions on power plant units of over 50 b.h.p. at least one year of which has been put in on a steam engine and boiler and at least one year on any other engine; or

(b) he has obtained a degree or diploma after completing a course in Mechanical Engineering in a recognized College of Engineering and has put in three years' attendance under regular working conditions on power plant units of over 50 b.h.p. at least one year of which has been put in on a steam engine and boiler and at least one year on any other engine.

15-A. A candidate for a certificate of competency for attendant on refrigerating machines should prove to the satisfaction of the President of the Board that—

(a) he has been declared as fit for promotion to the IV Form in a recognized school; and

(b) (i) he has served for not less than three years as an attendant or an assistant attendant on a refrigerating machine of capacity of not less than 12,000 B.T.U.'s per hour;

(ii) he has completed a course of apprenticeship in the Public Works Workshops for a period of not less than five years, or alternatively has worked for not less than five years—

(1) in the mechanical section of the General Hospital, Madras, provided that at least one year of the period of the apprenticeship has been spent in attendance under regular working condition of a refrigerating plant of nominal capacity of not less than 12,000 B.T.U.'s per hour; or

(2) in any other recognized workshop, where the erections, repairs and fittings of refrigerating machines are done.

VII.—SUBJECTS OF EXAMINATION.

16. No person shall be entitled to a certificate of competency for Engine Drivers unless he satisfies the examiners that—

(1) as regards *steam engines* he has a practical knowledge of—

(a) the working and upkeep of boilers, boiler fittings and feed equipment,

(b) fuels and firing,

(c) estimation of quality of feed water and precautions to be taken when working with a bad quality of feed water, and

(d) the safety clauses of the Indian Boilers Act, 1923, and of the Indian Factories Act, 1934; and

(2) as regards *other engines* he has a practical knowledge of—

(a) engines and their accessories and fittings, and

(b) fuels and their storage and protection from fire.

17. No person shall be entitled to a certificate of second-class Engineer-Operator, unless he satisfies the examiners that he has a practical knowledge of—

(a) the working and upkeep of boilers, steam engines and other engines and their accessories and fittings,

(b) the safety clauses of the Indian Boilers Act, 1923, and of the Indian Factories Act, 1934, and

(c) the storage of fuel and the methods of repairs to the kind of plant in which he desires to be examined.

18. For a certificate of first-class Engineer-Operator the subjects shall be the same as for a certificate of second-class Engineer-Operator but the candidate will be expected to possess a more detailed knowledge and knowledge of methods of repairs will not be restricted to a single type of plant.

18-A. No person shall be entitled to a certificate of competency for an Attendant on Refrigerating Machine unless he satisfies the examiners that he has—

(a) practical knowledge of the working and upkeep of any of the common types of refrigerating machines having a capacity of at least 12,000 B.T.U.'s per hour,

(b) a detailed knowledge of the methods of periodical checking of the working of the machines and the method of periodical "servicing",

(c) a knowledge of the nature and qualities of the various refrigerants in common use,

(d) been acquainted with the safety measures for dealing with accidental leak of the refrigerants, and

(e) been familiar with the method of extracting and feeding refrigerants from and into the refrigerating machines.

VIII.—MODE OF EXAMINATION.

19. The examination shall be of such a nature as to test the practical knowledge of the candidate, his ability to manage boilers and engines and to work with hand tools and shall consist of—

(i) an oral examination;

(ii) a practical examination on boilers, engines and pumps or on models;

and

(iii) an examination in fitting.

20. The maximum marks for each of the examinations specified in rule 19 and the minimum marks required for a pass therein shall be as follows:—

Examination.	Maximum marks.	Minimum marks required.	
		For a pass with proficiency.	For a pass.
Oral examination	80	105	{ 40 25
Practical examination on boilers, engines and pumps or on models.	50		
Examination in fitting	20	15	10
Total	150	120	75

21. A candidate who is found to have taken into the examination room any book, paper, document or memorandum of any description or who is found affording or giving assistance or information to, or receiving any assistance or information from, or communicating in any way with, another candidate during the time of the examination shall be regarded as having failed in the examination and may be further debarred from appearing for any of the examinations under these rules for such term as the Board thinks fit.

22. The certificates granted shall be in Forms C, D and E appended to these rules. The certificate of first or second-class Engineer-Operator shall not be granted to a candidate unless and until he has surrendered to the President the certificate of second-class Engineer-Operator or any certificate of competency for Engineer Driver as the case may be granted to him.

23. An exchange certificate of competency as engine driver may be granted to a candidate by the Board without an examination if on production of a certificate of competency granted to him by any competent authority in India, Burma or any British Dominion or Colony, the Board is satisfied that the candidate

possesses sufficient qualifications to warrant the grant of such certificate. Every such application, which shall be in Form B appended to these rules, shall be dealt with by the Board on its merits. An endorsement to the effect that an exchange certificate has been granted by the Board shall be made on the original certificate before it is returned to the owner.

24. When any person proves to the satisfaction of the President of the Board that he has lost any certificate granted to him under these rules and furnishes a receipt for the payment into a Government Treasury or the Reserve Bank of India, Madras, or its agency of a fee of Rs. 3 and a bust photo in duplicate, the President of the Board may grant him a duplicate of the certificate which shall have for all purposes the same validity as the original certificate.

25. Whenever a duplicate of a certificate is granted, the fact of such grant shall be recorded in the office of the Commissioner for Government Examinations, Madras. On the issue of a duplicate certificate, the original certificate shall be deemed invalid and if found, shall be returned to the office of issue for cancellation.

IX.—SCOPE OF CERTIFICATE.

26. The holder of a certificate of competency for Engine Driver or of a certificate of first or second-class Engineer-Operator or a certificate of competency for Attendants on Refrigerating Machines, shall be deemed capable to have charge of any number of engines and boilers or refrigerating installations as noted below:—

Certificate of competency for Engine Driver.	Steam engine and boiler, or oil or other engine in which he has qualified up to 50 b.h.p.
Certificate of second-class Engineer-Operator.	Steam engine and boiler, or oil or other engine in which he has qualified up to 250 b.h.p.
Certificate of first-class Engineer-Operator.	Any kind of engine.
Certificate of competency for Attendants on Refrigerating Machines.	Direct charge of one or more individual installations of refrigerating machine and equipment situated within a circle of 1,500 feet diameter.

But no person shall be in immediate and direct management and charge of more engines or boilers than are situated in a circle of 1,500 feet diameter.

27. The Board shall refuse to grant—

(1) any certificate under these rules to a candidate who is physically unfit through deformity, constitutional weakness, bad eyesight or deafness to perform properly the duties of an Engine-Driver or an Engineer Operator;

(2) a certificate of competency for Engine-Driver, to any candidate if he is under 21 years of age;

(3) a certificate of first or second-class Engineer-Operator to any candidate if he is under 23 years of age; and

(4) a certificate of competency for Attendants on Refrigerating Machines to any candidate if he is under 21 years of age.

28. Any certificate granted under these rules may by a notification in the Fort St. George Gazette be cancelled or suspended for such period as the Government may think fit, if they are satisfied on a report from the President of the Board, that the holder thereof has been guilty of drunkenness, negligence or misconduct when on duty.

FORM A.

Application for admission to the examination for a Certificate of Competency of Engine Driver and for Certificate of First or Second-class Engineer-Operators in steam, oil or other engines and for Certificate of Competency for Attendants on Refrigerating Machines.

- 1 Candidate's name (in full)
- 2 Father's name (in full)
- 3 Class or community to which he belongs ..
(Brahman Non-Brahman Caste Hindu,
Scheduled Classes, Muhammadan, Indian
Christian, Anglo-Indian, etc., as the case
may be.)

- 4 Place of birth
- 5 Date of birth
- 6 Occupation
- 7 Permanent address
- 8 The examination to which the applicant wishes to appear and the type of engine or refrigerating machines in which he wishes to be examined.
- 9 Whether the applicant is in possession of any certificate of competency, issued by the Board of Examiners in this Presidency or by any other authority in or outside India and the year and date of issue of such certificate.
- 10 Whether the applicant has failed in a previous examination; if so, the date or dates of each such examination in which he failed.
- 11 The language in which the applicant wishes to be examined.
(Candidates for certificates of first and second class Engineer-Operator will be examined in English.)

12 Details of previous service

Where employed, description of workshops, municipalities, institute, etc.	Capacity in which employed (Driver, Assis- tant Driver, Fireman, Apprentice, etc.).	Date of commence- ment of service.	Date of termina- tion of service.	Period of service.			Whether testi- monial in support of the service enclosed.
				Y.	M.	D.	
(1)	(2)	(3)	(4)	(5)			(6)

I do hereby declare that the particulars given above are correct and true to the best of my knowledge and belief; and the testimonials sent with this application and enumerated in column 12 are true and genuine documents given and signed by the persons whose names appear on them. I further declare that column 12 contains a true and correct account of the whole of my service without exception. And I make this declaration conscientiously believing the same to be true.

Dated at this day of 19 .

(Signature of candidate.)

Signed in the presence of—

(Honorary Magistrate, Government Officer not below the rank of a Deputy Tahsildar, Manager of the Mill or Workshops, Principal of the Institute, the Executive Authority of a Municipality or President of a District Board.)

Caution.—No application will be entertained, if it is not accompanied by a treasury or bank receipt for the prescribed fee, and necessary testimonials.

FORM B.

Applications for Exchange Certificate.

- 1 Applicant's name (in full).
- 2 Father's name (in full).
- 3 Class or community to which he belongs.
(Brahman, Non-Brahman Caste Hindu,
Scheduled Classes, Muhammadan, Indian,
Christian or Anglo-Indian, as the case
may be.)
- 4 Place of birth.

- 5 Date of birth.
- 6 Occupation.
- 7 Permanent address.
- 8 Description of certificate tendered for exchange.
- 9 Certificate required in exchange.
- 10 Marks of identification.

I do hereby declare that the particulars given above are correct and true to the best of my knowledge and belief and the certificate sent with this application and enumerated in column 8 is a true and genuine document; given and signed by the persons whose names appear on them.

Dated at this day of 19 .

(Signature of applicant.)

Signed in the presence of—

(Honorary Magistrate, Government Officer, not below the rank of a Deputy Tahsildar, Manager of the Mill or Workshops, Principal of the Institute, the Executive Authority of a Municipality or President of a District Board.)

N.B.—No application will be entertained if it is not accompanied by a treasury or bank receipt for the prescribed fee, the original (with a copy) of the certificate granted to him by a competent authority in India, Burma or any British Dominion or Colony and two copies of his bust photograph (carte-de-visite size).

(Not to be filled in by the applicant.)

Certified that has produced before us a certificate of competency of the class granted by and on the strength of it we recommend the grant to him of a certificate of competency for engine driver in engines by exchange.

Board of Examiners }

Date

To the Commissioner for Government Examinations, Madras.

FORM C.

Certificate of competency for Engine Driver granted under the authority of the Government of Madras.

By Examination.

By Exchange.

CERTIFICATE No.

PHOTOGRAPH

(Carte-de-visite size)

ing at aged about years at present residing at
 of Examiners of his competency to have direct charge of Steam Engines and Boilers having satisfied the Board
 not exceeding 50 Brake Horse Power is granted this certificate of competency (with proficiency) in Oil Engines
Gas Engines

Dated at Madras, this day of 19 .

Height without shoes

Date of birth

Marks of identification

Left thumb-impression

Secretary to the Commissioner for Government Examinations.

FORM D.

Certificate of Second-class Engineer-Operator granted under the authority of the Government of Madras.

CERTIFICATE No.

PHOTOGRAPH

(Carte-de-visite size)

at present residing at aged about years
 Board of Examiners of his competency to be in charge of Steam Engines and Boilers having satisfied the
 ing 250 Brake Horse Power is granted this certificate of second-class engineer (with proficiency) in Engines not exceed-

Dated at Madras, this day of 19 .

Height without shoes

Date of birth

Marks of identification

Left-thumb impression

Secretary to the Commissioner for Government Examinations.

FORM E.

Certificate of First-class Engineer-Operator granted under the authority of the Government of Madras.

CERTIFICATE No.

PHOTOGRAPH

(Carte-de-visite size.)

present residing at aged about years at
 Board of Examiners of his competency to be in charge of Engines and Boilers having satisfied the
 certificate of first-class Engineer (with proficiency) is granted this

Dated at Madras, this day of 19 .

Height without shoes

Date of birth

Marks of identification

Left-thumb impression

Secretary to the Commissioner for Government Examinations.

FORM F.

Certificate of competency for attendants on Refrigerating Machines granted under the authority of the Government of Madras.

CERTIFICATE No.

PHOTOGRAPH

(Carte-de-visite size)

present residing at aged about years at
 Board of Examiners of his competency to be in direct charge of one or more installations of
 refrigerating machinery and equipment situated within a circle 1,500 feet diameter, is granted
 the certificate of competency.

Dated at Madras, this day of 19 .

Height without shoes

Date of birth

Marks of identification

Left-thumb impression

Secretary to the Commissioner for Government Examinations.

RULES FOR THE GRANT OF CERTIFICATES OF COMPETENCY FOR HEADWORKS (WATER-WORKS) FITTERS AND WATER-WORKS PIPE-LINE FITTERS.

I.—BOARD OF EXAMINERS.

1. (i) The Board of Examiners, hereinafter referred to as the Board, shall consist of the following members:—

- (1) The General Superintendent, Public Works Workshops, Madras.
- (2) The Junior Superintendent, Public Works Workshops, Dowlaishwaram.
- (3) The Junior Superintendent, Public Works Workshops, Bezwada.
- (4) The Executive Engineer, Godavari Western Division.
- (5) The Executive Engineer, Periyar Division, Madura.
- (6) The Chief Inspector of Boilers, Madras.
- (7) The Mechanical Expert under the Sanitary Engineer.
- (8) The Inspector of Boilers, Madras Circle.
- (9) The Inspector of Boilers, Waltair Circle.
- (10) The Inspector of Boilers, Trichinopoly Circle.
- (11) The Industrial Engineer, Madras.
- (12) The Assistant Industrial Engineer, Tanjore.
- (13) The Assistant Industrial Engineer, Bezwada.
- (14) The Assistant Industrial Engineer, Madras.
- (15) The Inspector of Industrial Schools, Madras.

(ii) The General Superintendent, Public Works Workshops, Madras, shall be the President of the Board.

2. The examiners shall receive such fees as the Government may from time to time fix in that behalf.

II.—EXAMINATIONS.

3. (1) The examinations shall be conducted by the Commissioner for Government Examinations and shall be held once a year at Dowlaishwaram and Madras in the month of July.

(2) The date of the examination shall be notified in Part I-B of the *Fort St. George Gazette*, not less than two months in advance.

(3) The President of the Board and two other members of the Board stationed near the centres specified in sub-rule (1) chosen by the President shall be present for holding the examinations at the centre concerned. If for any reason the President is unable to be present he shall nominate another member of the Board in his place.

4. There shall be two examinations, namely—

- (1) an examination for a certificate of competency for Headworks (Water-works) Fitters; and
- (2) an examination for a certificate of competency for Water-works Pipe-Line Fitters.

III.—APPLICATION FOR EXAMINATIONS.

5. (i) A candidate for any of the examinations mentioned in rule 4 shall apply to the Commissioner for Government Examinations in Form A appended to these rules and the application should reach his office on or before the 30th April immediately preceding. Such application shall be signed by the candidate whose signature shall be attested by an Honorary Magistrate or by any other responsible person mentioned in the form and shall be accompanied by the following documents:—

- (a) Originals and copies of all testimonials;
- (b) a receipt from a Government Treasury or the Reserve Bank of India, Madras, or its agency for the fee prescribed hereunder;

(c) a certificate from a registered medical practitioner regarding the age of the candidate and his physical fitness;

(d) two copies of the bust photographs of the candidate, carte-de-visite size; and

(e) certificate of competency, if any, granted to the applicant by any competent authority in India, Burma or any British Dominion or Colony.

(ii) The Commissioner for Government examinations will on receipt of the applications scrutinize the testimonials and prepare the preliminaries for the examination in consultation with the President of the Board.

IV.—FEES.

6. Applicants for admission to the examination for the certificate of competency for Headworks (Water-works) Fitter shall pay a fee of Rs. 7 and those for admission to the examination for the certificate of competency for Water-works Pipe-Line Fitter a fee of Rs. 5.

7. Candidates once admitted to an examination shall not be entitled to any remission of fees if they fail to attend or pass the examination. The Commissioner for Government Examinations may refund on application the fee paid by any candidate found ineligible for admission to the examination. Any candidate who appears and fails to pass the examination may appear at the next or any subsequent examination on payment of the full fee prescribed therefor.

V.—TESTIMONIALS.

8. No applicant shall be admitted to the examination who cannot produce satisfactory testimonials stating clearly the capacity in which he was employed and certifying to his experience, ability, sobriety and general good conduct for the whole period of his qualifying service referred to in rules 13 and 14. Breaks in such qualifying service must be explained satisfactorily.

9. The testimonials shall be signed by the Engineer or other responsible person under whom the applicant worked and shall be countersigned by the Superintendent in charge of the workshop or the executive authority of the municipality.

10. If the Commissioner for Government Examinations and the President of the Board have reason to doubt the truth of any statement contained in the application or any testimonial, they may make such enquiries as they think fit and require the testimonial to be authenticated by the testimony of some responsible person having personal knowledge of the matter in doubt.

11. Where the Commissioner for Government Examinations and the President of the Board are satisfied after due enquiry that any testimonial tendered by a candidate is false, they may by a written order debar such candidates from being admitted to any subsequent examination held under these rules and if upon the tender of such a testimonial he has already been admitted to the examination, may declare him to have failed therein.

12. Applications and copies of testimonials submitted by candidates shall be filed in the Office of the Commissioner for Government Examinations. The originals of testimonials shall be returned to the candidates after the examination is over.

VI.—TRAINING OF CANDIDATES.

13. A candidate for a certificate of competency as Headworks (Water-works) Fitter shall prove to the satisfaction of the President of the Board that, previous to the date of his application, he has completed a four years' apprenticeship in a recognized engineering workshop.

14. A candidate for a certificate of competency as Water-works Pipe-Line Fitter shall prove to the satisfaction of the President of the Board that, previous to the date of his application, he has completed a two years' apprenticeship or has been employed for two years as a pipe-line fitter under a recognized firm of plumbers or has completed a three years' apprenticeship as a pipe-line fitter in any municipal water-works.

VII.—SUBJECT OF EXAMINATIONS.

15. No person shall be entitled to a certificate of competency as Headworks (Water-works) Fitter, unless he is able—

(a) to show that he understands clearly the use of the plumb line, straight edge, spirit level, face plate and the alignment of machinery and the laying and jointing of any kind of pipe;

(b) to name the various parts used in the construction of engines, pumps and boilers together with their several fittings and mountings, as also the materials from which they are made;

(c) to explain clearly the use of air, sluice, stop, reflux and reducing valves;

(d) to show how a temporary or permanent repair can be effected in case of derangement of a part of the machinery or boiler, or of a total breakdown thereof or the bursting of steam and water pipes or their separate valves; and

(e) to show by actual use of tools his ability to make, renew or repair any part of the machinery, screw, cut, lay, level, bend and joint any kind of pipe with lead or cement, set, face or grind in valves and bed, line or reset brasses.

16. No person shall be entitled to a certificate of competency as Water-works Pipe-Line Fitter, unless he is able—

(a) to show that he understands clearly the use of the plumb line, straight edge, spirit level and the laying and jointing of any kind of pipe;

(b) to explain clearly the use of air, sluice, stop, reflux and reducing valves; and

(c) to show by actual use of tools his liability to screw, cut, lay, level, bend and joint any kind of pipe with lead or cement, set, face or grind in valves; repair valves; bursts in pipes, etc., of water-supply distribution system.

VIII.—MODE OF EXAMINATION.

17. The examination shall be of such a nature as to test the practical knowledge of the candidate and to ascertain his competency to do Headworks (Water-works) Fitter's or Water-works Pipe-Line Fitter's work and shall consist of an oral examination and examination in fitting.

18. The maximum marks for each of the examinations specified in rule 17 and the minimum marks required for a pass therein shall be as follows:—

Examination.	Maximum marks.	Minimum marks required for a pass in	
		First class.	Second class.
Oral examination	60	45	30
Examination in fitting	40	30	20
Total	100	75	50

19. A candidate who is found to have taken into the examination room any book, paper, document or memorandum of any description or who is found affording or giving assistance or information to, or receiving any assistance or information from or communicating in any way with another candidate during the time of the examination shall be regarded as having failed in the examination and may be further debarred from appearing for any of the examination under these rules for such term as the Board thinks fit.

IX.—GRANT OF CERTIFICATES.

20. The certificates granted shall be in Form B appended to these rules.

21. When any person proves to the satisfaction of the President of the Board that he has lost any certificate granted to him under these rules and furnishes a receipt for the payment into a Government Treasury or the Reserve Bank of India, Madras, or its agency of a fee of Rs. 2, the President of the Board may grant him a duplicate of the certificate which shall have for all purposes the same validity as the original certificate.

22. Whenever a duplicate of a certificate is granted, the fact of such grant shall be recorded in the office of the Commissioner for Government Examinations, Madras. On the issue of a duplicate certificate the original certificate shall be deemed invalid and if found, shall be returned to the office of issue for cancellation.

23. The Board shall refuse to grant a certificate under these rules to any candidate if he is under 18 years of age or if he is physically unfit through deformity, constitutional weakness, bad eyesight or deafness to perform properly the duties of a fitter.

X.—GENERAL.

24. Any certificate granted under these rules may by a notification in the Fort St. George Gazette be cancelled or suspended for such period as the Government may think fit if they are satisfied on a report from the President of the Board that the holder thereof has been guilty of drunkenness, negligence or misconduct when on duty.

FORM A.

*Application for admission to the examination for a Certificate of Competency for Headworks (Waterworks) Fitter
Water-works Pipe-line Fitter.*

- 1 Candidate's name (in full)
- 2 Father's name (in full)
- 3 Class or community to which he belongs ..
(Brahman, Non-Brahman Caste Hindu, Scheduled Classes, Muhammadan, Indian Christian, Anglo-Indian, etc., as the case may be.)
- 4 Place of birth
- 5 Date of birth
- 6 Occupation
- 7 Permanent address
- 8 The examination for which the applicant wishes to appear
- 9 Whether the applicant is in possession of any certificate of competency, issued by the Board of Examiners in this Presidency or by any other authority in or outside India and the class, year and date of issue of such certificate.
- 10 Whether the applicant has failed in a previous examination; if so, the date or dates of each such examination in which he failed.
- 11 The language in which the applicant wishes to be examined.
- 12 Details of previous service

18. NOTIFICATION REGULATING THE GOVERNMENT TECHNICAL EXAMINATIONS

Where employed description of workshop, institute, municipality plumbing firm, etc.	Capacity in which employed.	Date of commencement of service in each case.	Date and cause of termination of service in each case.	Total period of service.	List of testimonials in support of the service.
(1)	(2)	(3)	(4)	(5)	(6)

Y. M. D.

I do hereby declare that the particulars given above are correct and true to the best of my knowledge and belief; and the testimonials sent with this application and enumerated in column (12) are true and genuine documents given and signed by the persons whose names appear on them. I further declare that column (12) contains a true and correct account of the whole of my service without exception. And I make this declaration conscientiously believing the same to be true.

Dated at this day of 19

(Signature of candidate)

Signed in the presence of—

(Honorary Magistrate, Government officer not below the rank of a Deputy Tahsildar, Manager of Mill or Workshop, Principal of Institute, Executive Authority of a Municipality or President of a District Board.)

Caution.—No application will be entertained if it is not accompanied by a Treasury or Bank receipt for the prescribed fee, and necessary testimonials.

FORM B.

Certificate of competency for Headworks (Water-works) Fitter granted under the authority of the Water-works Pipe-line Government of Madras (in accordance with G.O. No. , dated).

No. of 19

aged about

years, at present residing

at his competency as a Headworks (Water-works) Fitter is granted a Headworks (Water-works) Fitter's certificate of Water-works Pipe-line Class.

Dated at Madras, this day of 19

Height without shoes

Date of birth

Marks of identification

Left-thumb impression

Secretary to the Commissioner for Government Examinations.

NOTE.—The dates of examinations and the latest dates for submission of applications will be notified in the Fort St. George Gazette from time to time.