

Public Works (1893) Department.

RAILWAY BRANCH.

G.O., No. 722^Q

DATED 14th April

[Despatch Abstract.]

Examination. — Resolution of the Govt of India regarding the — of Candidates for admission to the Traffic department of State Railways, Communicated to the Consulting Engineer for Railways.

BACK PAPERS.

G.O.	No.	Department.	Date.
	869	R	10-8-37

FURTHER PAPERS.

OTHER PAPERS.			
G.O.	No.	Department.	Date.

Appendix to Circular No. 2 Railway of 1893.

Extract from Government of India Public Works Department, Resolution No. 36A.E., dated 9th February 1893, on the subject of the recruitment of the Superior Establishment of the Accounts Branch of the Public Works Department.

2. The nominated candidates will be examined in the subjects described in the first schedule to this resolution, and (subject to the conditions hereinafter stated) those who pass will be appointed Assistant Examiners, 3rd grade, on probation, in order of merit, and to the extent of the number of vacancies announced for competition. No candidate will be appointed to the Department who obtains less than 650 marks in all or less than half marks in mathematics.

No candidate will be allowed to compete at the entrance examination more than twice.

The examination will be conducted by written questions and answers, the questions being prepared in such manner as His Excellency the Governor General in Council may, from time to time, direct.

A candidate may be examined at the Thomason Civil Engineering College, Rurki, or at the office of an Examiner of Public Works or Railway Accounts.

Schedule 1.

EXAMINATION FOR ADMISSION TO THE SUPERIOR SERVICE OF THE
ACCOUNTS BRANCH OF THE PUBLIC WORKS DEPARTMENT.

ENTRANCE EXAMINATION.

Subjects for Examination.

<i>Subjects for Examination.</i>	<i>Marks.</i>
Writing and Composition, impromptu essay upon some given subject	150
Arithmetic (no special text-book) and Euclid, Books I to IV and VI; also easy deductions	325
Algebra, including progressions, permutations and combinations, binomial theorem, and logarithms (Text-book—Todhunter's Algebra), and Plane Trigonometry as far as properties of triangles (Text-book—Todhunter's Plane Trigonometry);	325
Mensuration	200
Latin, Greek, Sanskrit, French, German, Arabic or Persian	200
English, History and Literature, and Indian History (Elementary)	150
Geography, Asia (specially India), and Europe	
TOTAL	1,350

* The use of tables will be allowed at the time of the examination. With this exception, no books are permitted in any of the papers.

[For General Distribution.]

Circular No. 2 Railway.

GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.

GENERAL.

Calcutta, the 21st March 1893.

**Examination of Candidates for admission to the Traffic Department
of State Railways.**

Read again—

Public Works Department Circular No. 2 Ry., dated 10th October 1888.

Public Works Department Resolution No. 19 A.—E., dated 25th January 1889.

Read also—

Public Works Department Circular No. 2 Ry., dated 18th July 1889.

Public Works Department Resolution No. 36 A.—E., dated 9th February 1893.

RESOLUTION.—In supersession of the orders issued in Public Works Department Circular No. 2 Ry., dated 18th July 1889, the Governor General in Council is pleased to decide that the rules and subjects of examination which apply to candidates for appointment as Probationers to the Traffic Department of State Railways under clause (a) of Circular No. 2 Ry., dated 10th October 1888, shall be the same as those which apply to candidates for admission to the superior service of the Accounts Branch of the Public Works Department. The latter rules are contained in para. 2 and schedule I of Resolution No. 36 A.—E., dated 9th February 1893, and are extracted as an appendix to this Resolution.

ORDER.—Ordered, that copies of this Resolution be communicated, for information and

The Governments of Madras and Bombay, Public Works Department, General and Railway Branches.
The Governments of Bengal, the North-Western Provinces and Oudh and the Punjab.
The Chief Commissioners of the Central Provinces, Burma and Assam.
The Resident at Hyderabad.
The Agents to the Governor General for Central India, Rajputana and Baluchistan.
The Accountant General, Public Works Department.
The Director General of Railways.
The Consulting Engineers to the Government of India for Railways, Calcutta, Central Division, Lucknow and Assam.

guidance, to the Local Governments and Administrations, and to the Officers marginally noted.

Ordered also, that it be published in the *Gazette of India*.

C. M. Walker

Under Secy. to the Govt. of India.

Documents accompanying.

Appendix.

(Para. 2 of Resolution No. 36 A.—E., dated 9th February 1893.

Schedule I of ditto).

G. I. C. P. O.—No. 1502 P. W. D.—23-3-93—1823.

*To the Secretary to the Government of Madras,
Public Works Department.*

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following:—

Proceedings of the Government of India, Public Works Department (Account Establishment), dated Calcutta, the 9th February 1893, No. 36 A.E.

[Recruitment of the Superior Establishment of the Accounts Branch, Public Works Department.]

Read—again —

Report of the Public Service Commission, Chapter X, paras. 99 and 100.
Public Works Department Resolution No. 19 A.E., dated 25th January 1889.
Code, Vol. I, Chapter II, and Appendix C.

Read—also the following correspondence between the Government of India and the Secretary of State:—

Despatch to the	Secretary of State, No. 66, Public Works, dated 22nd October 1890.
" from the	" " " 16 " " 5th March 1891.
" to the	" " " 68 " " 15th Sept.
" from the	" " " 4, Telegraph, dated 18th February 1892.
" to the	" " " 67, dated 2nd November 1892.
" from the	" " " 2, Public Works, dated 19th January 1893.

Observations.—In Public Works Department resolution No. 19 A.E., dated 25th January 1889, certain revised rules were laid down for the future recruitment of the establishment of the Superior Accounts Branch of the Public Works Department, and a competitive examination was prescribed according to the tests laid down in the appendix to that resolution. The results of these examinations have not, however, proved as satisfactory as was anticipated, and the Government of India has again had under consideration the question of modifying the rules with a view to the establishment of the Superior Accounts Branch being maintained in greater efficiency.

2. The Government of India thinks that the entrance examination of the Superior Accounts Branch may, with advantage, be assimilated to that of the Enrolled List of the Finance Department, and that the scale of salaries of both establishments may be brought into accord.

3. It appears desirable also to take this opportunity of revising the rules regarding the examination for confirmation and promotion as laid down in Public Works Department Code, Vol. I, Chapter II, and Appendix C.

Resolution.—The Government of India, with the approval of the Secretary of State, is pleased to decide that, with effect from the 1st January 1893, the following amended rules for recruitment of the superior staff of the Accounts Branch, both as regards the entrance and departmental tests, shall take the place of the rules promulgated under resolution No. 19 A.E. of 25th January 1889, and those laid down in the Public Works Department Code, Vol. I, Chapter II, and Appendix C:—

I.—The Superior Accounts Branch shall be recruited in India, and the members of it so recruited shall be under the Indian Service Leave and Ordinary Pension rules as laid down in the Civil Service Regulations, Chapter XIV and Part IV.

By branch office.

122 S.C

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Rec: S.C. 53

B.

No 722 Ref 17 April 73,

W.C.
Supt

Communicated to the

Consulting Engineer for

Railways in supersession of

Progr. No. 869 R, dated 10th

August 1889.

M.W.

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The Consulting Engineer for

the 225th Departmental

Despatch 19/4

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B.

No 722 Ref 17-4-73

6/11/93

II.—Appointments will ordinarily be made as follows :—

- Firstly, by the appointment of candidates selected by competitive examination of not less than three nominees for each vacancy;
Secondly, by the promotion of deserving accountants; and
Thirdly, by the transfer, in exceptional cases, of officers from the Engineer establishment.

NOTE.—Officers transferred from the Engineering Branch will draw Accounts Branch rates of salary, but they will retain their own Leave and Pension rules.

The nominees at every third examination held for appointments to be filled by the first of the above methods of recruitment shall be natives of India as defined by Statute 33 Vict., cap. 3, section 6. The maximum number of appointments filled by the second of the above methods shall not exceed one-third of the appointments filled by the first and second methods together. When appointments are made by this method the officers selected will be appointed either as Deputy or Assistant Examiners at the discretion of the Government of India, and will, unless Government otherwise direct, take rank for future promotion above officers in lower classes or grades previously appointed after examination. They will not be required to pass the departmental examinations unless the Government at the time of appointment direct that they shall be so required.

The Government of India reserves the power which it at present possesses of making special and exceptional appointments to the Superior Accounts establishment otherwise than in the three ways mentioned above.

III.—The classification and rates of pay shall be as follows :—

Examiner of Accounts,	Class	I	...	...	...	...	Rs.
"	"	II	...	...	...	...	1,500
"	"	III	...	...	...	...	1,250
"	"	IV	...	...	...	...	1,000
Deputy Examiner of Accounts,	"	I	...	...	...	...	800
"	"	II	...	...	...	...	600
Assistant Examiner, 1st Grade	"	...	...	...	...	...	400
"	2nd	"	...	...	...	...	300
"	3rd	"	...	...	...	...	250
"	"	"	...	...	...	...	200

This scale of pay will apply to all appointments to the department after the 31st December 1892.

IV.—Persons desiring to enter the Superior Accounts Branch must obtain nominations from the Accountant-General, Public Works Department, to whom applications should be addressed.

Each application must be accompanied by the following certificates :—

- Baptismal or other certificate of age.
- Certificate of physical fitness for the public service by a commissioned medical officer or by a medical officer in charge of a civil station.
- Testimonials of good moral conduct from the instructor under whom the applicant has been educated or from some employer or other superior under whom he has been employed or brought up.

NOTE.—These testimonials should have special reference to conduct during the two years immediately preceding the date of application.

No candidate will be examined whose age at the date of completion of the examination is below 18 or above 23 years.

V.—An examination will be held at which the nominated candidates will be required to compete for the vacant appointments which will be given, as a rule, to the successful candidates in order of passing the examination.

VI.—The Accountant-General will report annually to the Government of India, as heretofore, in January, the names of the accountants, if any, in the subordinate service, whom he recommends for promotion to the superior service.

VII.—After orders have been passed on that report, a notification will be issued in the *Gazette of India* about the beginning of February, stating the number of vacancies to be competed for at the next examination.

2. The nominated candidates will be examined in the subjects described in the first schedule to this resolution, and (subject to the conditions hereinafter stated) those who pass will be appointed Assistant Examiners, 3rd grade, on probation, in order of merit, and to the extent of the number of vacancies announced for competition. No candidate will be appointed to the department who obtains less than 650 marks in all or less than half marks in mathematics.

No candidate will be allowed to compete at the entrance examination more than twice.

The examination will be conducted by written questions and answers, the questions being prepared in such manner as His Excellency the Governor-General in Council may, from time to time, direct.

A candidate may be examined at the Thomason Civil Engineering College, Rurki, or at the Office of an Examiner of Public Works or Railway Accounts.

3. There will, in future, be two departmental examinations as detailed in schedules II and III annexed to this resolution, and no officer appointed on probation will be confirmed in the service until he has passed the first of these examinations and has been favorably reported upon by the Accountant-General.

An Assistant Examiner of the 3rd grade, who has been favorably reported on and has passed the lower departmental examination shown in schedule II, will be promoted to Assistant Examiner, 2nd grade, after not less than one year's service in the department. An Assistant Examiner, who has not passed that examination within three years from the date of his joining the department, will, on the expiration of that period, cease to belong to the department without further orders; provided that—

(1) if he has been examined but the results have not been declared, his services will be retained until the date on which the results are declared, when they will be terminated at once if he has not passed; and

(2) if during the said period of three years, he has obtained leave of absence on medical certificate for more than three months, he shall be allowed so much extension of time as will admit of his appearing for the examination next after the expiry of the said term of three years and of the results of that examination being declared.

No officer will be eligible for promotion above Assistant Examiner, 1st grade, until he has passed the higher departmental examination, and the same test in vernaculars as is required for promotion to Executive Engineer, 4th grade.

4. The entrance examination will be held by the Principal, Thomason Civil Engineering College, Rurki, in November; and nominated candidates should apply to that officer to arrange the place at which they are to be examined, and should remit to him an examination fee of Rs. 32.

5. The departmental examinations will be held annually by the Accountant-General, Public Works Department, in November; and will be conducted at Examiners' Offices.

Order.—Ordered, that this resolution be forwarded to the Local Governments

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab.
The Chief Commissioners of the Central Provinces, Burma, and Assam.
The Resident at Hyderabad.
The Agents to the Governor-General for Central India, Rajputana, and Beluchistan.
The Director-General of Telegraphs.
The Director-General of Railways.
The Consulting Engineers to the Government of India for Railways, Calcutta, Lucknow, Central Division, and Assam.
The Comptroller-General.
The Accountant-General, Bengal.

and Administrations and Officers noted in the margin, for information, and that it be published in Part I of the *Gazette of India*.

Also to the Department of Finance and Commerce, for information.

Also to the Accountant-General, Public Works Department, for further necessary action.

(Signed) F. L. O'CALLAGHAN,
Secretary to the Govt. of India.

To the Secretary to the Government of Madras.

EXAMINATION for admission to the superior service of the Accounts Branch of the Public Works Department.

SCHEDULE I.

ENTRANCE EXAMINATION.

Subjects for Examination.

	Marks.
Writing and Composition, <i>impromptu</i> essay upon some given subject	150
Arithmetic (no special text-book) and Euclid, Books I to IV and VI; also easy deductions	325
Algebra, including progressions, permutations and combinations, binomial theorem, and logarithms * (Text-Book—Todhunter's Algebra), and Plane Trigonometry as far as properties of triangles (Text-book—Todhunter's Plane Trigonometry); Mensuration	325
Latin, Greek, Sanskrit, French, German, Arabic or Persian	200
English, History and Literature, and Indian History (Elementary)	200
English, History and Literature, and Indian History (Elementary).	200
Geography, Asia (specially India), and Europe	150
Total	1,350

SCHEDULE II.

LOWER DEPARTMENTAL EXAMINATION.

Subjects for Examination.

	Marks.
Composition, a précis of papers not seen before	150
Book-keeping (Text-book—W. Inglis)	250
Public Works Department Code, Volumes I, II and III.—General rules and procedure and accounts of the Buildings and Roads and Irrigation Branches of the Public Works Department and of State Railways under construction)	300
Accountant-General's circulars	50
Civil Service Regulations	250
Total	1,000

SCHEDULE III.

HIGHER DEPARTMENTAL EXAMINATION.

Subjects for Examination.

	Marks.
A précis and a draft	150
Civil Account Code—Volume I, Chapters 10, 17, 24, Volume II, Chapters 33, 34, 58, 62 and 74	100
Political Economy (Mill)	200
Public Works Department Code, all volumes but specially Volume IV.—(The accounts of open lines of State Railways) and Accountant-General's circulars and budget procedure	300
Book-keeping, including the principles of audit (Text-books—Carter's Practical Book-keeping and Pixley's Auditors)	250
Total	1,000

I.—An officer who shows at any departmental examination a competent knowledge of all the prescribed subjects, and obtains half marks in the aggregate, is held to have passed the examination. An officer is, however, permitted to pass each of the departmental examinations in two instalments if he notifies his intention beforehand, and specifies the subjects in which he is prepared for examination. In such case a higher standard of knowledge is required.

II.—As a rule, a candidate failing in one of the subjects specified is re-examined in the whole; but in case of marked excellence in a subject, the Accountant-General may exempt the candidate from re-examination in such subject, even although he may have failed in others.

* The use of tables will be allowed at the time of examination; with this exception no books are permitted in any of the papers.

ORDER—dated 21st February 1893, No. 455 W., Public Works.

Communicated to officers of the Public Works Department and ordered to be published in the *Fort St. George Gazette*.

(True Extract.)

(Signed) G. T. WALCH,
Ag. Secretary to Govt., P.W.D.

To the Chief Engineer for Irrigation.
„ the Consulting Engineer for Railways.
„ Superintending Engineers.
„ the Consulting Architect to Government.
„ the Superintendent of Works, Periyár Project.
„ the Examiner, Public Works Accounts.
„ the Examiner, Railway Accounts.

Exd. T. K. Narayana Aiyangar.
Spare Copies

GENERAL.
ESTABLISHMENT.

Gobt. of {1893} Madras.
PUBLIC WORKS.

Dated February, 21st.

Read.

Read.

G.O., 21st Feb. 1893, No. 455 W.

FEBRUARY.

Superior Establishment of the
Accounts Branch, Public
Works Department

Resolution of the Government of India laying down amended rules for recruitment of the —, with effect from the 1st January 1893, communicated to officers of the department and ordered to be published in the *Fort St. George Gazette*.

4TH FEBRUARY 1889, No. 311 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following paper:—

Proceedings of the Government of India in the Public Works Department (Account—Establishment), dated Calcutta, 25th January 1889, No. 19 A.—E.

Recruitment of the Superior and Subordinate Divisions of the Accounts Branch of the Public Works Department.

Read the following:—

Home Department Office Memorandum No. 623, dated 16th March 1888.
Report of the Public Service Commission, Chapter X, paras. 99 and 100.
Public Works Department Code, Volume I, Chapter II, paras. 52 to 62.
Report, dated 3rd October 1888, of a Committee appointed to revise the subjects of examination for entrance to the Superior and Subordinate Divisions of the Accounts Branch, Public Works Department.

Observations.—The Government of India has had under consideration the report of the Public Service Commission on the Accounts branch of the Public Works Department, in which the opinion is expressed that the present system of recruitment for this branch of the service is unsatisfactory. The recruitment hitherto has generally been—

- (1) by transfer of officers (Military and Civil) from the Engineer Establishment of the Public Works Department;
- (2) by promotion of selected accountants from the subordinate service; and
- (3) by appointment of nominated candidates outside the service, who have passed a prescribed entrance examination.

The Public Service Commission considered that the number of Engineers and Military officers already employed was excessive, and recommended certain alterations in the mode of recruitment of outside candidates.

2. The transfer of Military officers to the Accounts branch, except under special circumstances, has already been stopped, and it is expected that the transfer of Civil Engineers to that branch will also become exceptional, when the present surplus staff of Engineers has disappeared.

3. A committee was appointed to work out the details of a revised scheme for the examinations qualifying for appointment to the Accounts branch, both superior and subordinate, and, with certain modifications, the Government of India is pleased to accept its recommendations.

Resolution.—The Government of India is now pleased to lay down the following general rules on the subject of the future recruitment for the superior service of the Accounts branch of the Department:—

- I.—Appointments will be made mainly from successful candidates in a nominated (not open) competitive examination, and occasionally from senior accountants as instanced in Public Works Department Code, Volume I, chapter II, para. 59.
- II.—Nominations to the competitive examination will, as now, rest with the Accountant-General, on the conditions laid down in Public Works Code, Volume I, Appendix C, paras. 1 to 5, except that the maximum age in para. 4 will be increased to 23 years, and that the number of candidates nominated will be at least three for each vacancy.

III.—The Accountant-General will submit annually to the Government of India, early in January, a report stating which, if any, of the accountants in the subordinate service he recommends for promotion, on approval, to the superior service.

IV.—After orders have been passed on that report an advertisement will be issued in the *Gazette of India* about the beginning of February, stating the number of vacancies to be competed for at the next examination.

V.—The candidates who pass the examination will be appointed Apprentice Examiners in order of merit and to the extent of the number of vacancies announced for competition. With respect to confirmation and subsequent promotion, they will be subject to the conditions laid down in Public Works Code, Volume I, chapter II, paras. 52 and 54.

2. The examination for appointment to the Superior Accounts branch will, in future, be in two parts, preliminary and general, as detailed in the accompanying appendix. The preliminary examination is meant to be a test of handwriting and of knowledge of arithmetic and Hindustani, and candidates failing to pass this test will be debarred from appearing at the general examination.

3. The examination will be held by the Principal of the Thomason Civil Engineering College, Rurki. Candidates whose names have already been registered for examination should, accordingly, be instructed to communicate with that officer and to state what subjects in groups IV and V they propose to take up. An examination fee of Rs. 32 should, at the same time, be remitted by each candidate to the Principal.

4. A notification will issue subsequently, prescribing the date and locality of the examinations.

5. The limitation of age to 23 years will not apply to any candidates whose names may have been registered before this date for the next examination and who may be above the prescribed age when it is held.

6. The only modification considered necessary in the entrance examination for the subordinate division is to make it competitive. This is explained in the last paragraph of the appendix to this resolution. The examination will continue to be conducted as at present ordered.

7. The Government of India desires to acknowledge the promptness and completeness with which the committee,* referred to in para. 3 of the preamble, have carried out the work entrusted to them.

* Mr. R. Logan, C.S.
" T. C. Lewis.
" R. B. Huckle.
" R. G. Macdonald.

Order.—Ordered, that this Resolution be forwarded to the

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab.
The Chief Commissioners, Central Provinces, Burma, Assam and Coorg.
The Resident at Hyderabad.
The Resident at Mysore (through Foreign Department).
The Agents to the Governor-General for Central India, Rajputana, and Biluchistan.
The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.
The Director-General of Telegraphs.
The Director-General of Railways.
The Consulting Engineers to the Government of India for Railways, Calcutta, Lucknow and Central Division.
The Comptroller-General.
The Accountant-General, Bengal.

Also to the Accountant-General, Public Works Department, for further necessary action.

(Signed) R. C. B. PEMBERTON, Col., R.E.,
Secy. to the Government of India.

To the Secretary to the Government of Madras.

ENCLOSURE.

Appendix to Public Works Department Resolution No. 19 A.—E., dated 25th January 1889.

Entrance examinations for appointment to the Superior and Subordinate Accounts Branches of the Public Works Department.

SUPERIOR DIVISION.

PRELIMINARY TEST.

Handwriting—

The candidate will be required to write a short passage of English from dictation and also to copy two octavo pages of ordinary printed matter, the time allowed for the latter being 45 minutes and for the whole examination 1 hour.
The tests will be clearness and rapidity.

Arithmetic—(to cover the whole subject).—One paper.

Text-books.—Lock's Arithmetic for Schools, or Barnard Smith's Arithmetic.

Note.—Solutions by algebraical methods will be accepted.

Mental Arithmetic.—One paper.

Hindustani—

(a) Translation into English of an easy Hindustani passage printed in Roman character.

(b) Translation into Hindustani of easy English sentences. If Persian or Nagri characters are not used, the Hunterian system of spelling must be followed.

(c) Oral replies to grammatical questions given in English by the Examiner.

(d) Conversation in Hindustani with an educated native on ordinary subjects.

To pass in the preliminary test a candidate must obtain 75 per cent. of the total marks in each of the subjects.

GENERAL COMPETITIVE TEST.

Groups of Subjects.

I.—English.

II.—Mathematics.

III.—Book-keeping.

Also, not more than two subjects to be selected out of groups IV and V.

IV.—Latin, Sanskrit, Arabic, Persian, French and German.

V.—Physics or Chemistry.

The subjects and marks to be—

Groups.	Subjects.	Particulars.	Marks.
I	English ...	Two papers on the text-books—500 marks for each paper ...	1,000
		1 Essay paper ...	500
			1,500
II	Mathematics ...	Euclid, Algebra and Plane Trigonometry—two papers—750 marks each ...	1,500
		Conic Sections, Statics, Dynamics and Hydrostatics—One paper ...	750
			2,250
III	Book-keeping ...	One paper on general subjects ...	250
		One paper on the system of ordinary Public Works accounts as prescribed in the Code ...	250
IV	Languages ...	One paper in each language—500 marks each ...	1,000
		One paper on each subject—500 marks each subject ...	
V	Physics and Chemistry.		
		Total ...	5,250

III.—The Accountant-General will submit annually to the Government of India, early in January, a report stating which, if any, of the accountants in the subordinate service he recommends for promotion, on approval, to the superior service.

IV.—After orders have been passed on that report an advertisement will be issued in the *Gazette of India* about the beginning of February, stating the number of vacancies to be competed for at the next examination.

V.—The candidates who pass the examination will be appointed Apprentice Examiners in order of merit and to the extent of the number of vacancies announced for competition. With respect to confirmation and subsequent promotion, they will be subject to the conditions laid down in Public Works Code, Volume I, chapter II, paras. 52 and 54.

2. The examination for appointment to the Superior Accounts branch will, in future, be in two parts, preliminary and general, as detailed in the accompanying appendix. The preliminary examination is meant to be a test of handwriting and will be debarred from appearing at the general examination.

3. The examination will be held by the Principal of the Thomason Civil Engineering College, Rurki. Candidates whose names have already been registered for examination should, accordingly, be instructed to communicate with that officer and to state what subjects in groups IV and V they propose to take up. An examination fee of Rs. 32 should, at the same time, be remitted by each candidate to the Principal.

4. A notification will issue subsequently, prescribing the date and locality of the examinations.

5. The limitation of age to 23 years will not apply to any candidates whose names may have been registered before this date for the next examination and who may be above the prescribed age when it is held.

6. The only modification considered necessary in the entrance examination for the subordinate division is to make it competitive. This is explained in the last paragraph of the appendix to this resolution. The examination will continue to be conducted as at present ordered.

7. The Government of India desires to acknowledge the promptness and completeness with which the committee,* referred to in para. 3 of the preamble, have carried out the work entrusted to them.

* Mr. R. Logan, C.S.
.. T. C. Lewis.
.. R. B. Buckley.
.. R. G. Macdonald.

Order.—Ordered, that this Resolution be forwarded to the Local Governments and Administrations and officers noted on the margin, for information, and that it be published in the *Gazette of India*. Also to the Department of Finance and Commerce for information.

The Governments of Madras, Bombay, Bengal, the North-Western Provinces and Oudh, and the Punjab.
The Chief Commissioners, Central Provinces, Burma, Assam and Coorg.
The Resident at Hyderabad.
The Resident at Mysore (through Foreign Department).
The Agents to the Governor-General for Central India, Rajputana, and Biluchistan.
The Superintendent of Port Blair and Chief Commissioner, Andaman and Nicobar Islands.
The Director-General of Telegraphs.
The Director-General of Railways.
The Consulting Engineers to the Government of India for Railways, Calcutta, Lucknow and Central Division.
The Comptroller-General.
The Accountant-General, Bengal.

Also to the Accountant-General, Public Works Department, for further necessary action.

(Signed) R. C. B. PEMBERTON, Col., R.E.,
Secy. to the Government of India.

To the Secretary to the Government of Madras.

ENCLOSURE.

Appendix to Public Works Department Resolution No. 19 A.—E., dated 25th January 1889.

Entrance examinations for appointment to the Superior and Subordinate Accounts Branches of the Public Works Department.

SUPERIOR DIVISION.

PRELIMINARY TEST.

Handwriting—

The candidate will be required to write a short passage of English from dictation and also to copy two octavo pages of ordinary printed matter, the time allowed for the latter being 45 minutes and for the whole examination 1 hour.
The tests will be clearness and rapidity.

Arithmetic—(to cover the whole subject).—One paper.

Text-books.—Lock's Arithmetic for Schools, or Barnard Smith's Arithmetic.
Note.—Solutions by algebraical methods will be accepted.

Mental Arithmetic.—One paper.

Hindustani—

- Translation into English of an easy Hindustani passage printed in Roman character.
- Translation into Hindustani of easy English sentences. If Persian or Nagri characters are not used, the Hunterian system of spelling must be followed.
- Oral replies to grammatical questions given in English by the Examiner.
- Conversation in Hindustani with an educated native on ordinary subjects.

To pass in the preliminary test a candidate must obtain 75 per cent. of the total marks in each of the subjects.

GENERAL COMPETITIVE TEST.

Groups of Subjects.

- English.
- Mathematics.
- Book-keeping.
- Also, not more than two subjects to be selected out of groups IV and V.
- Latin, Sanskrit, Arabic, Persian, French and German.
- Physics or Chemistry.

The subjects and marks to be—

Groups.	Subjects.	Particulars.	Marks.
I	English	Two papers on the text-books—500 marks for each paper	1,000
		1 Essay paper	500
			1,500
II	Mathematics	Euclid, Algebra and Plane Trigonometry—two papers—750 marks each	1,500
		Conic Sections, Statics, Dynamics and Hydrostatics—One paper	750
			2,250
III	Book-keeping	One paper on general subjects	250
		One paper on the system of ordinary Public Works accounts as prescribed in the Code	250
IV	Languages	One paper in each language—500 marks each	1,000
		One paper on each subject—500 marks each subject	
V	Physics and Chemistry		
		Total	5,250

In the English papers half of the marks given to each question will be awarded for correct English used in answering it.

No candidate will be eligible for appointment who fails to get 40 per cent. of the marks in each of the subjects in groups I and papers 1 and 2 of group II, or be allowed to count marks in any subject in which he fails to get 25 per cent. of the maximum.

The standards and text-books will be as follows, the text-books being changed when necessary:—

English Text-books.

1. A recent History of England—Molesworth's History of England (1830-74).
2. A book about India—Sir W. W. Hunter's Indian Empire (Trübner's Oriental Series).
3. A. Marshall's Economics of Industry.
4. Huxley's Physiography.

English Essay.

Several subjects to be given, out of which the candidate must select one, such subjects being selected from the text-books.

Mathematics.

Paper I.—Euclid and Algebra.

Euclid—Books I to IV, VI, XI to proposition 21, with definitions of Book V, also easy deductions.

Algebra—including progressions, permutations and combinations, binomial and exponential theorems, logarithms and logarithmic series.

Text-book—Todhunter's Algebra.

Paper II.—Plane Trigonometry—As far as solution of triangles, properties of triangles, and area of circle.

Text-book—Todhunter's Plane Trigonometry.

Elementary mensuration—No special text-book.

Paper III.—Geometrical Conic Sections (the Parabola and Ellipse).

Statics, Dynamics and Hydrostatics treated mathematically, but without the aid of the Differential and Integral Calculus.

Text-books—Drow's Geometrical Treatise on Conic Sections.

Wilson's Elementary Statics (or any other).

Garnett's Elementary Dynamics.

Desant's or Babu S. B. Mukerjee's Elementary Hydrostatics.

Book-keeping.

One paper to cover whole subject.

Text-books—Ball and Hamilton and W. Inglis.

One paper on ordinary Public Works accounts—

Public Works Department Code, Volume I, Chapter XII.

I.—Latin.

Horace—Odes I and II ...

Cicero—De Oratore I ...

Livy—XXI and XXII ...

Gow's Companion to School Classics ...

Text-books.

II.—Sanskrit.

Bānabhatta—Kādambari Uttarbhāga, page 85 to end, in Calcutta edition of Samvat 1919 ...

Bhāravi—Kīratārjuniya, Cantos I—III ...

Sakuntalā ...

Also Sayce's Principles of Comparative Philology ...

Do.

III.—Arabic.

1. Arabic (B.A. course of Punjab University) ...

2. Hamasa, 31 pages (Urdu Guide Press) ...

E. W. Lane's Arabian Society in Middle Ages [Studies of "Thousand and One Nights." Publisher, Allen & Co.] ...

Do.

IV.—Persian.

1. Persian (B.A. course of Punjab University).

2. Shah Namah, first 50 pages, Macan's Calcutta edition.

3. Firoz Shahi, first 50 pages, Asiatic Society's edition.

Geiger's Civilisation of Eastern Iranians in Ancient Times, Vol. I, Ethnography and Social Life (translated). Clarendon Press.

Do.

V and VI.—French and German.

If any candidates appear in these subjects, papers will be set containing passages in prose and verse by modern authors, and idiomatic phrases for translation into English, and similar English prose passages and idiomatic phrases for translation into French and German. Specimen papers showing the nature of the examination will be supplied on application.

Physics—2 papers.

- Deschanel's Natural Philosophy ...
- S. P. Thompson's Elementary Lessons in Electricity and Magnetism.
- Jevons' Principles of Science, 2nd edition, omitting Books I and II.

Text-books.

Chemistry—2 papers.

- Frankland and Japp's Inorganic Chemistry, edition 1884, omitting all the sections in small type and the parts relating to the following elements:—Zirconium, Thorium, Niobium, Tantalum, Beryllium, Palladium, Iridium, Rhodium, Osmium, Ruthenium, Norwegium, Cerium, Didymium, Lanthanum, Yttrium, Erbium, Terbium, Scandium, Samarium and Decipium.
- Remsen's Organic Chemistry ...
- Jevons' Principles of Science, 2nd edition, omitting Books I and II.

Do.

SUBORDINATE DIVISION.

The examination prescribed in paragraph 18 of Appendix C, Volume I, of the Public Works Department Code, will be continued, but, in future, this examination will be a competitive one, conducted by the Murki, Seebpore, Madras and Poona Colleges for a place on the Accountant-General's list of selected candidates. This list will be circulated to Examiners by the Accountant-General, and appointments will be made by Examiners only from persons whose names are on this register.

* Note.—It is probable that Daniell's Text-book of the Principles of Physics will be shortly substituted for these two books.

ORDER—dated 4th February 1889, No. 311 W., Public Works.
Communicated to the Examiner, Public Works Accounts.
(True Extract.)

Captain, R.E.,
Under-Secy. to Govt., P.W.D.

To the Examiner, Public Works Accounts.

Exd. A. D. Xavier.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1889} Madras.
PUBLIC WORKS.

Dated February, 4th.

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G.O., 4th Feb. 1889, No. 311 W.

FEBRUARY.

Accounts Branch of the Public
Works Department

Orders of the Government of India laying
down rules on the subject of the future
recruitment for the superior service of the
—, communicated to the Examiner, Public
Works Accounts.