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# Government {1904} of Madras.

## EDUCATIONAL.

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ORIGINAL

**G.O., No. 520, 22nd August 1904.**

**AUGUST.**

Govt Examinations.

Recording the report on the [illegible]
the Commissioner for — 1903 during the

**Government Examinations.**

Recording the report of the Commissioner for — for the year 1903–1904.

## GOVERNMENT OF MADRAS.

## EDUCATIONAL DEPARTMENT.

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**Read**—the following paper:—

From the Hon'ble Mr. A. G. BOURNE, D.Sc., F.R.S., Commissioner for Government Examinations, to the Secretary to Government, Educational Department, dated Madras, 6th August 1904, No. 111/1-D.

I have the honour to submit my report on the examinations under the control of the Commissioner that were held during the year 1903–1904. The Hon'ble Mr. G. H. Stuart was Commissioner during the greater part of the year. I took charge of the office on the 25th November.

2. Ten examinations in all were held at various centres in the Presidency. Of these, the Lower Secondary Examination was held also in the Native States of Cochin and Pudukkóttai, the Technical Examinations, in Travancore and Mysore, and the Primary Examination, the Handwriting and Dictation Test for Undergraduates and the Special Tests, in Travancore and Pudukkóttai.

3. Detailed information in respect of each examination is given below:—

### (a) *The Primary Examination.*

The examination was conducted at 283 centres by 29 boards consisting of 568 members. The total number that appeared was 31,058 consisting of 29,406 male and 1,652 female candidates, of whom 14,604 and 655 respectively, were pupil candidates. Of the 31,058 that appeared, 30,221 came up for the full test. Of the 19,323 that passed the full test and thus rendered themselves eligible for certificates, 18,150 were male, and the rest female candidates.

Pupil candidates came up from 2,396 boys' and 85 girls' schools.

Among male candidates, 61 per cent. of the number examined and 60 per cent. of the number that passed were non-Brahman caste Hindus, while among female candidates, 45 per cent. of the number examined and 47 per cent. of the number that passed belonged to the Native Christian community.

Tamil and Telugu were the languages that were most largely brought up as first language. English was the most popular among second languages, while among optional subjects (other than a second language) the largest number, both of male and of female candidates, brought up Geography.

The fees realized from the examination, including fees for certificates and fees paid by candidates for the Fifth and Sixth Standard Examinations, amounted to Rs. 46,974 and more than covered the charges, which came to Rs. 27,532.

### (b) *The Lower Secondary Examination.*

The total number of candidates that appeared for this examination was 13,325, of whom, however, only 6,136, consisting of 5,379 male and 757 female candidates, came up for the full test. The total number that passed the full test was 2,243, of whom 1,758 were male and 485 female candidates.

Among the male candidates, 52 per cent. of the number examined and 50 per cent. of the number that passed were Brahmans. Among the female candidates, 56 per cent. of the number examined and 57 per cent. of the number that passed belonged to the Native Christian community.

### (c) *The Upper Secondary Examination (Compulsory Portion).*

The total number of candidates that registered their names for the full compulsory test was 389. Of this number, however, only 326 presented themselves for examination, of whom 160 were pupil candidates who came up from fifty-one different institutions. Thirty-five candidates were successful, twenty-two of them being pupils. As many as 217 of the number examined and as many as nineteen of the number that passed were Brahmans. Only one of the candidates examined was a female candidate and she passed in the second class.

Eight candidates appeared for examination in a second language only, of whom seven passed.

Thirteen candidates completed their success last year. Including these, the total number of candidates that have passed the Upper Secondary Examination and have so qualified themselves for appointments on Rs. 15 and upwards in "superior service", during the fourteen years that the examination has now been in existence, is only 77.

### (d) *The Technical Examinations.*

Government having required in its order, No. 429, Educational, dated 24th July 1902, that the date of the examination in the subjects prescribed for the Diploma in Agriculture should be altered from April to December, an examination in these subjects was held for the first time last year in December, under notification, No. 60, Educational, dated 30th July 1903.

The total number of individual candidates registered for the three grades of examination was 5,689, of whom 133 were for the Advanced grade, 1,473 for the Intermediate, and 4,083 for the Elementary. There was an increase in the numbers registered for all three grades. Ninety-one of the candidates for the Advanced, 730 of those for the Intermediate, and 1,364 of those for the Elementary grade were pupils, who belonged to 8, 44 and 88 different institutions, respectively.

The total number of subject-candidates examined was 6,079, of whom 2,326 were successful. There was a slight increase in the percentage of subject-passes for the Advanced grade, but the percentage of passes to examinees on the whole decreased from 40·4 to 38·2.

Two of the subject-candidates for the Advanced examinations, 41 of those for the Intermediate, and 184 of those for the Elementary were female candidates, of whom 1, 33 and 89, respectively, were successful. The two candidates for the Advanced examinations came up in Needle-work and Dress-making, while the largest number of those for the Intermediate and Elementary examinations came up in Free-hand Outline Drawing. There was a decrease in the total number of female candidates examined.

Brahmans and non-Brahman caste Hindus formed, as usual, the bulk of the subject-candidates that passed, in the case of all three grades.

Six diplomas, of which three were for Commerce, and 63 group certificates, among which there were two for Electrical Engineering, were issued during the year.

The silver medal awarded by the Madras Musical Association was won by Miss Atkinson, a "private" candidate of Madras.

### (e) *The Handwriting and Dictation Test for Undergraduates.*

One thousand nine hundred and twenty-eight candidates appeared for the test that was held in May and 1,285 for the test held in December as part of the Upper Secondary Examination, and 371 of the former and 369 of the latter were successful.

### (*f*) *Examinations in connection with the Subordinate Medical Department.*

For the ten vacancies for the grade of Civil Medical Pupil there were received in all 53 applications. The concession granted to Muhammadan candidates in G.O., No. 1107, Public, dated the 29th August 1897, according to which 20 per cent. of the vacancies were reserved for this class, having been withdrawn, not even a single Muhammadan candidate applied to be examined last year. The general educational qualification required in the case of candidates for the grade of Native Military pupil having been relaxed by Government in its Order No. 263, Educational, dated the 6th May 1899, the great majority of the candidates for the competitive examination for this grade for which there were five vacancies continued to be men who had passed the Lower Secondary examination. For the grade of Madras-Burma Hospital Assistant, twelve candidates, consisting of eleven Matriculates and one First Arts man, were examined, of whom six were selected; and for the grade of Military pupil, Assistant Surgeon branch, fifty were examined and ten were selected.

### (*g*) *Special Tests including those for Officers of the Salt, Abkári and Customs Department.*

Three thousand five hundred and forty-nine candidates for the Special tests proper and 305 candidates for the Salt and Abkári tests registered their names, and the examinations were held, as usual, in October, but it having come to the knowledge of Government that copies of the examination papers set for them had been improperly obtained and circulated, His Excellency the Governor in Council directed in G.O., No. 169, Educational, dated the 11th March 1904, that none of the candidates who appeared was to be held to have satisfied the Examiners.

4. *Finance.*—The receipts of the commission amounted to Rs. 1,53,698, exceeding the actuals of last year by Rs. 12,260. The total expenditure, inclusive of refunds and of the charges for printing work done at private presses, amounted to Rs. 1,28,700, or Rs. 9,040 more than the charges of the previous year. The accounts for the year, therefore, show a surplus of Rs. 24,998.

5. An inventory of valuable stock was duly maintained and checked during the year.

[Appendix.

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## APPENDIX.

### (*a*) *Primary Examination.*

TABLE I.

(Compares the number of candidates examined and passed in 1902–1903 and in 1903–1904.)

| Classes of candidates. | 1902–1903. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Registered. | | Examined. | | Passed | | | | | | | | | |
| | | | | | For complete certificate. | | In compulsory subjects only. | | In compulsory subjects and one optional subject only. | | In optional subjects only. | | Total. | |
| | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. |
| Pupil candidates .. | 15,190 | 683 | 13,705 | 613 | 7,802 | 401 | .. | .. | .. | .. | 124 | .. | 7,926 | 401 |
| Private candidates .. | 13,492 | 839 | 13,085 | 830 | 8,986 | 679 | .. | .. | 2 | .. | 617 | 3 | 9,605 | 682 |
| Total .. | 28,682 | 1,522 | 26,790 | 1,443 | 16,788 | 1,080 | .. | .. | 2 | .. | 741 | 3 | 17,531 | 1,083 |

| Classes of candidates. | 1903–1904. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Registered. | | Examined. | | Passed | | | | | | | | | |
| | | | | | For complete certificate. | | In compulsory subjects only. | | In compulsory subjects and one optional subject only. | | In optional subjects only. | | Total. | |
| | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. |
| Pupil candidates .. | 16,321 | 734 | 14,604 | 655 | 8,224 | 394 | .. | .. | .. | .. | 122 | 3 | 8,346 | 397 |
| Private candidates .. | 15,214 | 1,019 | 14,802 | 997 | 9,926 | 779 | .. | .. | .. | .. | 549 | 3 | 10,475 | 782 |
| Total .. | 31,535 | 1,753 | 29,406 | 1,652 | 18,150 | 1,173 | .. | .. | .. | .. | 671 | 6 | 18,821 | 1,179 |

TABLE II.

(Distributes the candidates according to classes of the community.)

| Classes of the community. | Examined. | | Passed for certificates. | |
|---|---|---|---|---|
| | Males. | Females. | Males. | Females. |
| Europeans and Eurasians .. .. .. | 72 | 118 | 46 | 94 |
| Native Christians .. .. .. .. | 1,454 | 746 | 936 | 552 |
| Muhammadans .. .. .. .. | 1,888 | 59 | 1,154 | 37 |
| Brahmans .. .. .. .. .. | 7,412 | 151 | 4,784 | 104 |
| Non-Brahman caste Hindus .. .. | 18,009 | 511 | 10,935 | 345 |
| Panchamas .. .. .. .. .. | 539 | 66 | 284 | 40 |
| Parsis and others .. .. .. .. | 32 | 1 | 11 | 1 |
| Total .. | 29,406 | 1,652 | 18,150 | 1,173 |

### (*b*) *Lower Secondary Examination.*

TABLE I.

(Compares the numbers examined and passed in 1902–1903 and 1903–1904.)

| Classes of candidates. | 1902–1903. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Registered. | | Examined. | | Passed. | | | | | | | | | |
| | | | | | For complete certificates. | | In compulsory subjects only. | | In compulsory subjects and one optional subject only. | | In optional subjects only. | | Total. | |
| | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. |
| Pupil candidates .. | 6,340 | 732 | 6,264 | 713 | 641 | 389 | 799 | 3 | 1,981 | 43 | 24 | 19 | 3,445 | 454 |
| Private candidates .. | 5,462 | 93 | 5,219 | 87 | 587 | 12 | 183 | 1 | 294 | 2 | 2,378 | 42 | 3,442 | 57 |
| Total .. | 11,802 | 825 | 11,483 | 800 | 1,228 | 401 | 982 | 4 | 2,275 | 45 | 2,402 | 61 | 6,887 | 511 |

| Classes of candidates. | 1903–1904. | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Registered. | | Examined. | | Passed. | | | | | | | | | |
| | | | | | For complete certificates. | | In compulsory subjects only. | | In compulsory subjects and one optional subject only. | | In optional subjects only. | | Total. | |
| | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. |
| Pupil candidates .. | 6,907 | 774 | 6,805 | 761 | 1,120 | 459 | 1,035 | 1 | 2,007 | 58 | 49 | 11 | 4,211 | 529 |
| Private candidates .. | 6,010 | 92 | 5,673 | 86 | 638 | 26 | 314 | 8 | 328 | 4 | 2,583 | 21 | 3,863 | 59 |
| Total .. | 12,917 | 866 | 12,478 | 847 | 1,758 | 485 | 1,349 | 9 | 2,335 | 62 | 2,632 | 32 | 8,074 | 588 |

TABLE II.

(Distributes the candidates according to classes of the community.)

| Classes of the community. | Examined. | | Passed for complete certificate. | |
|---|---|---|---|---|
| | Males. | Females. | Males. | Females. |
| Europeans and Eurasians .. .. | 286 | 291 | 71 | 179 |
| Native Christians .. .. .. | 1,307 | 478 | 243 | 275 |
| Muhammadans .. .. .. | 456 | 8 | 45 | 3 |
| Brahmans .. .. .. .. | 6,483 | 4 | 875 | 2 |
| Non-Brahman caste Hindus .. | 3,920 | 61 | 520 | 22 |
| Panchamas .. .. .. .. | 21 | 4 | 2 | 3 |
| Parsis .. .. .. .. | 2 | 1 | .. | 1 |
| Jains .. .. .. .. | 3 | .. | 2 | .. |
| Total .. | 12,478 | 847 | 1,758 | 485 |

### (*c*) *Upper Secondary Examination* (*Compulsory Portion*).

TABLE I.

(Compares the numbers registered, examined and passed in 1902–1903 and 1903–1904.)

| Year. | Registered. | Examined. | Passed. | Percentage of passed to examined. |
|---|---|---|---|---|
| 1902–1903 .. .. .. .. | 334 | 309 | 38 | 12 |
| 1903–1904 .. .. .. .. | 389 | 326 | 35 | 11 |

TABLE II.

(Distributes the candidates according to classes of the community.)

| Classes of the community. | Registered. | Examined. | Passed. |
|---|---|---|---|
| Europeans and Eurasians .. .. .. .. | 2 | 2 | 1 |
| Native Christians .. .. .. .. .. | 7 | 7 | 3 |
| Muhammadans .. .. .. .. .. | 21 | 13 | 1 |
| Brahmans .. .. .. .. .. .. | 251 | 217 | 19 |
| Non-Brahman caste Hindus .. .. .. | 108 | 87 | 11 |
| Total .. | 389 | 326 | 35 |

### (*d*) *Technical Examinations.*

TABLE I.

(Shows the numbers of individual candidates registered and of subject-candidates examined and passed, and the percentage of "passed" to "examined" in 1901–1902, 1902–1903 and 1903–1904.)

| Grade of examination. | Number of individual candidates registered. | | | Number examined (subject-candidates). | | | Number passed (subject-candidates). | | | Percentage of subject-passes. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 1901–1902. | 1902–1903. | 1903–1904. | 1901–1902. | 1902–1903. | 1903–1904. | 1901–1902. | 1902–1903. | 1903–1904. | 1901–1902. | 1902–1903. | 1903–1904. |
| Advanced .. .. .. .. | 84 | 111 | 133 | 88 | 110 | 159 | 40 | 53 | 77 | 45·4 | 48·1 | 48·4 |
| Intermediate .. .. .. | 1,136 | 1,247 | 1,473 | 1,235 | 1,342 | 1,609 | 532 | 632 | 663 | 43·0 | 47·0 | 41·2 |
| Elementary .. .. .. .. | 3,598 | 3,983 | 4,083 | 3,807 | 4,157 | 4,311 | 1,316 | 1,586 | 1,586 | 34·5 | 38·1 | 36·7 |
| Total .. | 4,818 | 5,341 | 5,689 | 5,130 | 5,609 | 6,079 | 1,888 | 2,271 | 2,326 | 36·8 | 40·4 | 38·2 |

TABLE II.

(Shows the numbers examined and passed in the subjects brought up under each group in 1902–1903 and 1903–1904.)

*Advanced Examinations.*

| Subjects. | 1902–1903. | | 1903–1904. | |
|---|---|---|---|---|
| | Examined. | Passed. | Examined. | Passed. |
| *Civil Engineering.* | | | | |
| Building-Drawing and Estimating .. .. .. .. .. .. | 6 | 1 | 7 | 3 |
| Surveying and Levelling .. .. .. .. .. .. .. | .. | .. | 3 | .. |
| *Agriculture.* | | | | |
| Agriculture .. .. .. .. .. .. .. .. .. | 12 | 7 | April 16<br>Decr. 9 | 7<br>1 |
| Agricultural Chemistry .. .. .. .. .. .. .. | .. | .. | April 16<br>Decr. 9 | 6<br>3 |

### Table II—*cont.*

(Shows the numbers examined and passed in the subjects brought up under each group in 1902–1903 and 1903–1904.)

*Advanced Examinations*—cont.

| Subjects. | 1902–1903. | | 1903–1904. | |
|---|---|---|---|---|
| | Examined. | Passed. | Examined. | Passed. |
| *Veterinary Science.* | | | | |
| Veterinary Science. First stage | 1 | .. | .. | .. |
| Veterinary Science. Second stage | 1 | .. | .. | .. |
| *Commerce.* | | | | |
| Book-keeping | 13 | 4 | 17 | 10 |
| Commercial Correspondence | 11 | 4 | 11 | 10 |
| Commercial Geography | 5 | 1 | 6 | 3 |
| Shorthand | 7 | 1 | 8 | .. |
| *Drawing, &c.* | | | | |
| Free-hand Outline Drawing | 17 | 11 | 14 | 12 |
| Design | 2 | 1 | 2 | 1 |
| Geometrical Drawing | 11 | 7 | 16 | 6 |
| Painting | .. | .. | 6 | 3 |
| Modelling | 1 | .. | 2 | 1 |
| *Wood-work and Metal-work.* | | | | |
| Cabinet-making | 16 | 9 | 14 | 10 |
| Metal-work | 4 | 4 | 1 | .. |
| *Tailoring and Dress-making.* | | | | |
| Needle-work and Dress-making | 3 | 3 | 2 | 1 |
| Total number of subject-candidates | 110 | 53 | 159 | 77 |

### Table III.

(Shows the numbers examined and passed in the subjects brought up under each group in 1902–1903 and 1903–1904.)

*Intermediate Examinations.*

| Subjects. | 1902–1903. | | 1903–1904. | |
|---|---|---|---|---|
| | Examined. | Passed. | Examined. | Passed. |
| *Civil Engineering.* | | | | |
| Building Materials and Construction | 14 | 6 | 15 | 6 |
| Building-Drawing and Estimating | 22 | 6 | 32 | 6 |
| Hydraulics and Irrigation Works | 5 | 1 | 10 | 3 |
| Earth-work and Road-making | 5 | 2 | 9 | 5 |
| Bridge-work | .. | .. | 1 | 1 |
| Surveying and Levelling | 211 | 67 | 149 | 55 |
| Applied Mechanics | 1 | 1 | 3 | 2 |
| Mensuration | 3 | 3 | 15 | 7 |
| Practical Plane and Solid Geometry | 1 | 1 | 2 | 1 |
| Carpentry | 17 | 5 | 15 | 9 |
| *Mechanical Engineering.* | | | | |
| Machine Construction | 1 | 1 | 1 | .. |
| Machine Drawing | 13 | 7 | 6 | 1 |
| Steam and the Steam-engine | 1 | 1 | 2 | 1 |
| Fitter's work | 3 | 3 | 6 | 3 |
| *Electrical Engineering.* | | | | |
| Practical Telegraphy | 11 | 7 | 7 | 1 |
| *Physical Science.* | | | | |
| Electricity and Magnetism | 5 | .. | 6 | 2 |
| Inorganic Chemistry | 19 | 10 | .. | .. |
| Physiography | 25 | 14 | 7 | 3 |
| Photography | 1 | .. | .. | .. |
| *Biology.* | | | | |
| Animal Physiology | 8 | 6 | 2 | 2 |

### Table III—*cont.*

(Shows the numbers examined and passed in the subjects brought up under each group in 1902–1903 and 1903–1904.)

*Intermediate Examinations*—cont.

| Subjects. | 1902–1903. | | 1903–1904. | |
|---|---|---|---|---|
| | Examined. | Passed. | Examined. | Passed. |
| *Sanitary Science.* | | | | |
| Hygiene | 151 | 46 | 158 | 64 |
| General Biology (Special) | 5 | 1 | 3 | 1 |
| *Pharmacy.* | | | | |
| Botany (Special) | 1 | 1 | .. | .. |
| *Agriculture.* | | | | |
| General Chemistry | .. | .. | April 9<br>December 4 | 3<br>2 |
| Inorganic Chemistry | .. | .. | April 13<br>December 6 | 9<br>1 |
| Organic Chemistry | .. | .. | April 2<br>December 3 | ..<br>1 |
| Botany (Special) | 12 | 5 | April 21<br>December 9 | 12<br>6 |
| Meteorology and Geology (Special) | .. | .. | April 22<br>December 10 | 12<br>4 |
| Surveying and Levelling (Special) | 18 | 10 | April 22<br>December 27 | 11<br>17 |
| Anatomy and Physiology (Special)* | 15 | 14 | April 11<br>December 1 | 10<br>1 |
| Agricultural Engineering (Special) | 15 | 10 | April 23<br>December 18 | 10<br>8 |
| Veterinary Science and Hygiene (Special)† | 13 | 11 | April 13<br>December 2 | 12<br>1 |
| Forestry | 26 | 9 | 30 | 13 |
| Organic Chemistry (Special) | 14 | 12 | .. | .. |
| *Commerce.* | | | | |
| Book-keeping | 114 | 65 | 151 | 14 |
| Commercial Correspondence | 72 | 51 | 102 | 47 |
| Banking | 36 | 19 | 43 | 15 |
| Commercial Geography | 14 | 5 | 26 | 11 |
| Shorthand | 52 | 4 | 53 | 3 |
| Type-writing | 58 | 13 | 85 | 12 |
| *Music.* | | | | |
| Music | 5 | 3 | 4 | 4 |
| *Drawing, &c.* | | | | |
| Free-hand Outline Drawing | 160 | 81 | 205 | 93 |
| Design | 8 | 5 | 18 | 11 |
| Geometrical Drawing | 64 | 45 | 73 | 33 |
| Painting | 13 | 9 | 21 | 18 |
| Modelling | 1 | 1 | 3 | 3 |
| Wood-engraving | 1 | 1 | 1 | 1 |
| Copper-plate Engraving | 1 | 1 | 2 | 2 |
| *Printing, Book-binding and Type-founding.* | | | | |
| Letterpress Printing— | | | | |
| Compositor's work | 7 | 1 | 5 | 2 |
| Proof-reader's work | 13 | 2 | 10 | 3 |
| Book-binding | 3 | 1 | 4 | 2 |
| Type-casting | .. | .. | 1 | 1 |
| Stereotyping | .. | .. | 1 | 1 |
| *Wood-work and Metal-work.* | | | | |
| Cabinet-making | 42 | 38 | 55 | 42 |
| Blacksmith's work | 8 | 3 | 13 | 11 |
| Metal-work | 12 | 8 | 11 | 8 |
| *Textile Fabrics.* | | | | |
| Cotton-spinning | .. | .. | 1 | 1 |
| Cotton-weaving | 3 | 3 | 3 | 2 |
| Carpet-weaving | .. | .. | 1 | 1 |
| Lace-making | 1 | .. | 7 | 3 |
| *Tailoring and Dress-making.* | | | | |
| Tailoring | 1 | 1 | 4 | 4 |
| Needle-work and Dress-making | 17 | 12 | 8 | 6 |
| Embroidery | .. | .. | 3 | 3 |
| Total number of subject-candidates | 1,342 | 632 | 1,609 | 662 |

* Veterinary Science (First stage) according to the old syllabus.

† Veterinary Science (Second stage) according to the old syllabus.

## TABLE IV.

(Shows the numbers examined and passed in the subjects brought up under each group in 1902–1903 and 1903–1904.)

*Elementary Examinations.*

| Subjects. | 1902–1903. | | 1903–1904. | |
|---|---|---|---|---|
| | Examined. | Passed. | Examined. | Passed. |
| *Civil Engineering.* | | | | |
| Building Materials and Construction | 109 | 14 | 112 | 48 |
| Building-Drawing and Estimating | 189 | 37 | 171 | 19 |
| Hydraulics and Irrigation works | 38 | 7 | 32 | 13 |
| Earth-work and Road-making | 177 | 51 | 176 | 80 |
| Bridge-work | 7 | 4 | 9 | 5 |
| Surveying and Levelling | 87 | 22 | 78 | 10 |
| Applied Mechanics | 4 | 1 | 13 | 2 |
| Mensuration | 205 | 88 | 197 | 77 |
| Practical Plane and Solid Geometry | 41 | 15 | 37 | 10 |
| Carpentry | 29 | 14 | 35 | 16 |
| *Mechanical Engineering.* | | | | |
| Machine Construction | .. | .. | 3 | 1 |
| Machine Drawing | 16 | 5 | 21 | 4 |
| Steam and the Steam-engine | 6 | 3 | 3 | 1 |
| Fitter's work | 23 | 15 | 19 | 11 |
| *Electrical Engineering.* | | | | |
| Practical Telegraphy | 121 | 52 | 66 | 21 |
| *Physical Science.* | | | | |
| Electricity and Magnetism | 11 | 1 | 6 | 3 |
| Inorganic Chemistry | 9 | 2 | 6 | 1 |
| Physiography | 3 | .. | 5 | 1 |
| *Biology.* | | | | |
| Animal Physiology | 5 | 1 | 2 | 1 |
| Botany | .. | .. | 1 | .. |
| *Sanitary Science.* | | | | |
| Hygiene | 227 | 54 | 245 | 81 |
| *Agriculture.* | | | | |
| Agriculture | 34 | 14 | 40 | 27 |
| *Commerce.* | | | | |
| Book-keeping | 272 | 83 | 288 | 74 |
| Commercial Correspondence | 250 | 157 | 240 | 106 |
| Banking | 53 | 17 | 60 | 26 |
| Commercial Geography | 15 | 8 | 15 | 6 |
| Shorthand | 145 | 7 | 163 | 40 |
| Type-writing | 403 | 113 | 423 | 88 |
| *Music.* | | | | |
| Music | 21 | 11 | 20 | 14 |
| *Drawing, &c.* | | | | |
| Free-hand Outline Drawing | 858 | 419 | 983 | 406 |
| Design | 82 | 47 | 96 | 43 |
| Geometrical Drawing | 341 | 103 | 387 | 127 |
| Painting | 82 | 41 | 85 | 58 |
| Modelling | 2 | 2 | 1 | 1 |
| *Jeweller's work.* | | | | |
| Jeweller's work | 5 | 5 | 1 | 1 |
| *Printing, Book-binding and Type-founding.* | | | | |
| Letterpress Printing— | | | | |
| Compositor's work | 25 | 6 | 19 | 5 |
| Proof-reader's work | 25 | 6 | 28 | 7 |
| Press work | 9 | 3 | 7 | 4 |
| Machine work | 7 | 2 | 5 | 2 |
| Printer's Warehouse work | 2 | .. | 3 | 1 |
| Book-binding | 13 | 4 | 7 | 3 |
| Type-casting | .. | .. | 5 | 3 |
| Stereotyping | 4 | 1 | 3 | 2 |

## TABLE IV—*cont.*

(Shows the numbers examined and passed in the subjects brought up under each group in 1902–1903 and 1903–1904.)

*Elementary Examinations*—cont.

| Subjects. | 1902–1903. | | 1903–1904. | |
|---|---|---|---|---|
| | Examined. | Passed. | Examined. | Passed. |
| *Wood-work and Metal-work.* | | | | |
| Cabinet-making | 92 | 75 | 75 | 50 |
| Blacksmith's work | 25 | 13 | 29 | 23 |
| Metal-work | 31 | 22 | 19 | 17 |
| *Leather-work.* | | | | |
| Boot and shoe making | .. | .. | 1 | 1 |
| *Textile Fabrics.* | | | | |
| Cotton-weaving | 11 | 8 | 16 | 10 |
| Lace-making | 13 | 10 | 17 | 7 |
| *Tailoring and Dress-making.* | | | | |
| Tailoring | 6 | 6 | 8 | 8 |
| Needle-work and Dress-making | 19 | 12 | 17 | 11 |
| Embroidery | 5 | 5 | 13 | 10 |
| Total number of subject-candidates | 4,157 | 1,586 | 4,311 | 1,586 |

## TABLE V.

(Distributes the successful candidates according to classes of the community for 1902–1903 and 1903–1904.)

| Classes of the community. | Number of subject-candidates that passed. | | | | | |
|---|---|---|---|---|---|---|
| | Advanced grade. | | Intermediate grade. | | Elementary grade. | |
| | 1902–1903. | 1903–1904. | 1902–1903. | 1903–1904. | 1902–1903. | 1903–1904. |
| Europeans and Eurasians | 4 | 3 | 35 | 33 | 104 | 120 |
| Native Christians | 3 | 11 | 84 | 77 | 278 | 230 |
| Muhammadans | 1 | 2 | 19 | 23 | 61 | 66 |
| Brahmans | 20 | 30 | 263 | 279 | 591 | 560 |
| Non-Brahman caste Hindus | 25 | 31 | 229 | 246 | 547 | 603 |
| Panchamas | .. | .. | 2 | 4 | 5 | 7 |
| Americans | .. | .. | .. | 1 | .. | .. |
| Total | 53 | 77 | 632 | 663 | 1,586 | 1,586 |

### (*e*) *The Handwriting and Dictation Test for Undergraduates.*

(Table comparing the numbers examined and passed at each examination in 1902–1903 and 1903–1904.)

| Year. | | Examined. | | | Passed. | | | Percentage of passed to examined. |
|---|---|---|---|---|---|---|---|---|
| | | F.A's. | Matriculates. | Total. | F.A's. | Matriculates. | Total. | |
| 1902–1903 | May | 175 | 1,548 | 1,723 | 77 | 382 | 459 | 27 |
| | December | 83 | 997 | 1,080 | 24 | 263 | 287 | 27 |
| 1903–1904 | May | 161 | 1,767 | 1,928 | 59 | 312 | 371 | 19 |
| | December | 61 | 1,224 | 1,285 | 23 | 346 | 369 | 29 |

### (*f*) *Examinations in connection with the Subordinate Medical Department.*

(Table showing the number of candidates examined and the number of vacancies advertised for each grade in 1902–1903 and 1903–1904.)

| Grade. | 1902–1903. | | 1903–1904. | |
|---|---|---|---|---|
| | Number examined. | Number of vacancies. | Number examined. | Number of vacancies. |
| Civil Medical Pupil .. .. .. .. .. .. .. | 41 | 10 | 52 | 10 |
| Native Military Pupil .. .. .. .. .. .. | 94 | 15 | 57 | 5 |
| Madras-Burma Hospital Assistant Pupil .. .. .. | 20 | 6 | 12 | 6 |
| Military Pupil, Assistant Surgeon Branch, Madras Command .. .. .. .. .. .. .. .. | 56 | 18 | 50 | 10 |

### *Finance.*

### TABLE I.

(Compares the receipts for 1902–1903 and 1903–1904.)

| Examinations. | Actuals, 1902–1903. | Revised estimate, 1903–1904. | Budget estimate, 1903–1904. | Actuals, 1903–1904. |
|---|---|---|---|---|
| | RS. | RS. | RS. | RS. |
| Primary and the Fifth and Sixth Standard Examinations .. | 41,426 | 41,500 | 40,000 | 47,140 |
| Lower Secondary Examination .. .. .. .. .. | 48,212 | 51,300 | 47,500 | 51,796 |
| Upper do. do. .. .. .. .. .. | 2,793 | 3,200 | 2,500 | 3,187 |
| Handwriting and Dictation Test for Undergraduates .. .. | 9,365 | 9,500 | 8,300 | 8,930 |
| Technical Examinations .. .. .. .. .. .. | 13,315 | 13,300 | 13,000 | 14,033 |
| Medical Entrance Examinations .. .. .. .. .. | 1,013 | 1,200 | 1,200 | 396 |
| Special and Salt and Abkári Test Examinations .. .. .. | 25,314 | 28,000 | 26,000 | 28,216 |
| Salt and Abkári Department Competitive Examination .. .. | .. | .. | 500 | .. |
| Total .. | 1,41,438 | 1,48,000 | 1,39,000 | 1,53,698 |

### TABLE II.

(Compares the charges for 1902–1903 and 1903–1904.)

| Examinations. | Actuals for 1902–1903. | Actuals for 1903–1904. | | | |
|---|---|---|---|---|---|
| | | Stipends. | Contingencies including temporary establishments of Primary Examination Boards. | Travelling allowance. | Total. |
| | RS. | RS. | RS. | RS. | RS. |
| Primary and the Fifth and Sixth Standard Examinations .. .. .. .. .. | 24,872 | 17,890 | 5,419 | 2,800 | 26,109 |
| Lower Secondary Examination .. .. .. | 44,938 | 30,506 | 12,035 | .. | 46,793 |
| Upper do. do. .. .. .. | | 2,798 | | | |
| Handwriting and Dictation Test for Undergraduates .. .. .. .. .. .. | | 1,454 | | | |
| Technical Examinations .. .. .. .. | 24,943 | 23,270 | 6,214 | .. | 29,484 |
| Medical Entrance Examinations .. .. .. | 674 | 514 | 93 | .. | 607 |
| Special and Salt and Abkári Test Examinations .. | 11,665 | 10,712 | 2,559 | .. | 13,271 |
| Refunds .. .. .. .. .. .. .. | 262 | .. | .. | .. | 233 |
| Printing charges .. .. .. .. .. .. | 840 | .. | .. | .. | 609 |
| General— | | | | | |
| Secretary .. .. .. .. .. .. | 4,200 | .. | .. | .. | 4,200 |
| Office Establishment, Permanent .. .. .. | 6,677 | .. | .. | .. | 6,887 |
| Do Temporary .. .. .. | 150 | .. | .. | .. | 150 |
| Office Contingencies .. .. .. .. | 439 | .. | .. | .. | 357 |
| Office Travelling allowance .. .. .. | .. | .. | .. | .. | .. |
| Total .. | 1,19,660 | 87,144 | 26,320 | 2,800 | 1,28,700 |

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ORDER—No. 520, Educational, dated 22nd August 1904.

Recorded.

(True Extract.)

**H. D. TAYLOR,**
*Ag. Secretary to Government.*

To the Commissioner for Government Examinations.
,, Director of Public Instruction.
,, Accountant-General.
,, Judicial Department.
,, Revenue Department.

Exd. V. Cunniah.

1

9

2,000—5-11-00.

# Educational (1904) Department.

COMMISSIONER FOR GOVERNMENT EXAMINATIONS
DESPATCHED
9 AUG 1904

CURRENT No. 1421

From

[Name] The Hon'ble Mr. A. G. Bourne, D.Sc., F.R.S.,

[Designation] Commissioner for Government Examinations

[Station] Madras

SECRETARY TO GOVERNMENT
LOCAL & MUNICIPAL DEPARTMENT.
10 AUG 1904

No. 111/12 — Received 10-8-1904

Dated 6th August 1904 — Registered 10-8-1904

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G.O. no. 169 Edn. d. 11-3-04 Mis.
" 384: 15-8-03 Ms ✓
p 234/04 G ✓

FURTHER PAPERS.

2

~~To~~

~~The Secretary to Government,~~

~~Educational Department.~~

~~Sir,~~

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2

EDUCATIONAL DEPARTMENT.

10

[ E./2 ]

1,500—7-10-03.

C. No. 1421 From the C. G. E. No 111/12. dated 6 . 8 – 1904.

SUBJECT.

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19/8/04

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21/8

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21/8/04

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22/8/04

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EDUCATIONAL DEPARTMENT.

11

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