

Government of Madras.

EDUCATIONAL DEPARTMENT.

Recd.

Regd.

} 1908.

Enclosures

Spare copies

G.O., No. 434, 4th June 1908.

College of Engineering.

Approving the proposal of the Principal of the — to distribute among the remaining subjects of study prescribed for the Engineer and Engineer-Subordinate classes the marks assigned for the vernacular language, the teaching of which has been discontinued.

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GOVERNMENT OF MADRAS.

EDUCATIONAL DEPARTMENT.

READ—the following papers:—

I

G.O., No. 577, Educational, dated 2nd September 1907.

ABSTRACT.—Approving the proposal of the Director of Public Instruction to exclude the teaching of vernacular languages in certain classes of the College of Engineering.

II

Letter—from the Hon'ble Mr. A. G. BOURNE, D.Sc., F.R.S., Director of Public Instruction, Madras.

To—the Secretary to Government, Educational Department.

Dated—the 30th April 1908.

No.—Ref. on Cur. 2490.

In G.O., No. 159, Educational, dated 20th March 1907, sanctioning the new rules for the College of Engineering, the discontinuance of instruction in the vernaculars for the Engineer and Engineer-Subordinate classes was sanctioned, but nothing was mentioned with regard to the necessary revision of marks. The Principal, in soliciting orders on the point, suggests that the marks previously allotted for the vernaculars be either dropped, or distributed amongst the other subjects keeping the totals unchanged. In the latter case, he proposes that they may be distributed as shown in the accompanying tables. I prefer the latter alternative and have the honour accordingly to recommend that the marks be redistributed in the manner proposed by Mr. James.

ENCLOSURE.

Redistribution of marks owing to discontinuance of instruction in vernaculars.

	Engineer Class.	Marks.	Marks.
Vernacular language .. .. .	.. .. .	..	150
Under III. Engineering—			
Hydraulic engineering .. .. .	.. .. .	From 100 to	150
Mechanism and the steam engine .. .. .	.. .. .	100 to	150
∴ Total for III .. .. .	.. .. .	700 to	800
Under IV. Drawing—			
Building drawing .. .. .	.. .. .	150 to	180
Machine .. .. .	.. .. .	100 to	120
∴ Total for IV .. .. .	.. .. .	600 to	650
	Engineer-Subordinate Class.		
Vernacular language .. .. .	.. .. .	..	125
Under II. Engineering—			
Hydraulic engineering .. .. .	.. .. .	From 100 to	125
Mechanism and the steam engine .. .. .	.. .. .	75 to	125
∴ Total for II .. .. .	.. .. .	600 to	675
Under III. Drawing—			
Machine drawing .. .. .	.. .. .	75 to	100
∴ Total for III .. .. .	.. .. .	450 to	475
Under VI. Physical Fitness—			
Gymnastics and drill .. .. .	.. .. .	75 to	100

Courses of Instruction.

(1) Engineer Class.

10. The course of instruction shall extend over four years, of which three shall be spent in the college and the fourth chiefly on works. The course in the college shall be both theoretical and practical. Theoretical instruction shall be conveyed by lectures; while the practical work shall consist of surveying in the field, drawing and work in the workshops and laboratories. Marks for practical work shall be assigned by the college staff, and these marks shall count towards the final total. Students who desire to become civil engineers shall spend the final year in a Public Works division; those who wish to become mechanical engineers shall spend it in an engineering workshop. Students shall receive lessons in riding during the practical course.

11. The subjects of study and the marks assigned to each shall be as follows:—

	Marks.
I. <i>Mathematics</i> .—Algebra (75), geometry (100), mensuration (75), plane trigonometry (75), differential and integral calculus (125)	450
II. <i>Science</i> .—Physics (325), chemistry (100), practical work (75)	500
III. <i>Engineering</i> .—Building materials (50), building construction (100), hydraulic engineering (150), applied mechanics (150), mechanism and the steam engine (150), practical work (200)	800
IV. <i>Drawing</i> .—Geometrical and perspective drawing (60), freehand and model drawing (40), building drawing (180), machine drawing (120), estimating (100), practical work (150)	650
V. <i>Surveying</i> .—Surveying (75), levelling (75), theodolite (75), topographical drawing (100), practical work (175)	500
VI. <i>Physical Fitness</i> .—Gymnastics and drill	100
Total	3,000

12. Of the total marks, 2,300 shall be awarded by the Board of Examiners for examination work, and 700 by the college staff for practical work and physical fitness. The marks given by the college staff shall, however, be submitted to the Board for approval. Term examinations shall be held at the end of the first and second years, at which, portions of the above subjects shall be finally disposed of by the Board of Examiners. The marks awarded at these examinations shall be included in the final total.

(2) Engineer-Subordinate Class.

15. The course of instruction shall extend over three and-a-half years, of which two and-a-half shall be spent in the college and one year on works or in the workshops. The course in the college shall be both theoretical and practical. Theoretical instruction shall be conveyed by lectures, while the practical work shall consist of surveying in the field, drawing and work in the workshops. Marks for practical work shall be assigned by the college staff, and these marks shall count towards the final total. The course on works shall be in a division of the Public Works department. Students shall receive lessons in riding during the practical course.

16. The subjects of study and the marks assigned to each shall be as follows:—

	Marks.
I. <i>Mathematics</i> .—Arithmetic (50), algebra (80), geometry (50), mensuration (80), plane trigonometry (90)	350
II. <i>Engineering</i> .—Building materials (50), building construction (100), hydraulic engineering (125), applied mechanics (125), mechanism and the steam engine (125), practical work (150)	675
III. <i>Drawing</i> .—Geometrical and perspective drawing (40), freehand and model drawing (35), building drawing (100), machine drawing (100), estimating (75), practical work (125)	475
IV. <i>Surveying</i> .—Surveying (75), levelling (75), theodolite (50), topographical drawing (75), practical work (125)	400
V. <i>Physical Fitness</i> .—Gymnastics and drill	100
Total	2,000

17. Of the total marks, 1,500 shall be awarded by the Board of Examiners for examination work, and 500 by the college staff for practical work and physical fitness. The marks given by the college staff shall, however, be submitted to the Board for approval. Term examinations shall be held at the end of the first and third half-years, at which portions of the above subjects shall be finally disposed of by the Board of Examiners. The marks awarded at these examinations shall be included in the final total.

Order—No. 434, Educational, dated 4th June 1908.

By G.O., No. 577, Educational, dated 2nd September 1907, the teaching of the vernacular language to the Engineer class which was formed in January 1907 and to the Engineer-Subordinate class which was formed in July 1906 was discontinued. The Principal of the College of Engineering now proposes that the marks assigned for the vernacular language, the teaching of which has been discontinued, may be distributed among the remaining subjects of study prescribed for the Engineer and Engineer-Subordinate classes. The Government approve this proposal and the marks will be distributed as shown in the annexure to these Proceedings.

2. The reference to G.O., No. 159, Educational, dated 20th March 1907, in the Director's letter appears to be incorrect.

(True Extract.)

H. D. TAYLOR,
Secretary to Government.

To the Director of Public Instruction.
Editors' Table (order only).

ANNEXURE.*Engineer Class.*

	Marks.
I. Mathematics (no alteration)	450
II. Science (no alteration)	500
III. Engineering { Hydraulic engineering 150 Mechanism and the steam engine 150 }	800
IV. Drawing { Building drawing 180 Machine drawing 120 }	650
V. Surveying (no alteration)	500
VI. Physical Fitness (no alteration)	100
Total ..	3,000

Engineer-Subordinate Class.

I. Mathematics (no alteration)	350
II. Engineering { Hydraulic engineering 125 Mechanism and steam engine 125 }	675
III. Drawing (Machine drawing 100)	475
IV. Surveying (no alteration)	400
V. Physical Fitness	100
Total ..	2,000 *

* Marks to be awarded by the Board of Examiners	1,500
Marks to be awarded by the college staff	500
	2,000

EDUCATIONAL DEPARTMENT.

NOTES CONNECTED WITH G.O., No. 434, EDUCATIONAL, DATED
4TH JUNE 1908.

[SUBJECT.—*Redistribution of marks assigned to the subjects of study for the Engineer and Engineer subordinate class of the College of Engineering.*]

Previous papers.

G.O., No. 655,	Educational,	dated 3rd October	1905.
" "	37	" " 20th January	1906.
" "	657	" " 10th October	"
" "	159	" " 20th March	1907.
" "	577	" " 2nd September	"

From the Director of Public Instruction, dated 30th April 1908, No. 2490.

The Director's statement that in G.O., No. 159, Educational, dated 20th March 1907, the discontinuance of instruction in the vernaculars for the Engineer and Engineer subordinate classes was sanctioned, but that nothing was mentioned with regard to the revision of marks, does not appear to be correct. In accordance with the recommendation of the College Reorganization Committee (*vide* paragraph 10 of the Committee's Report on page 4 of G.O., No. 655, Educational, dated 3rd October 1905), the revised rules for the College of Engineering approved in G.O., No. 159, Educational, dated 20th March 1907, omitted the language course for all the classes (Engineer class, Upper Subordinate class and Lower Subordinate class), and the marks allotted for the vernacular language were divided between Applied Mechanics and Physical Exercises—*vide* paragraph 30 of the office-note on page 7 of the notes with G.O., No. 159, Educational, dated 20th March 1907.

Vide also rules 12, 18 and 23 on pages 8 and 9 of G.O., No. 159, Educational, dated 20th March 1907.

2. The Principal of the College of Engineering seems to refer to the discontinuance of the Vernacular course for "the students in the third division of the "Engineer class and the intermediate division of the Engineer subordinate class" which was sanctioned in G.O., No. 577, Educational, dated 2nd September 1907, as the redistribution of marks proposed by him has reference to the marks assigned for the various subjects of study in rule 11 and rules 16 and 17 of the old rules on pages 5 and 6 of G.O., No. 37, Educational, dated 20th January 1906.

3. A summary of the redistribution of marks proposed by Mr. James is given on page 2 of the current file and the alterations to be made in the old rules are shown on pages 3 and 4 of current file. There appears to be no objection to the redistribution of marks proposed by Mr. James and it may be approved with the concurrence of the Public Works Department.

T.K.—9-5-08.

K. RANGASWAMI AIYANGAR—9-5-08.

C. A. SOUTER—11-5-08.

To the Public Works Department.

No. 434, EDUCATIONAL, 4TH JUNE 1908.

PUBLIC WORKS DEPARTMENT.

May be approved in Public Works Department.

B. A.—12-5-08.

Approved in Public Works Department.

F. J. WILSON—28-5-08.

To the Educational Department.

EDUCATIONAL DEPARTMENT.

The proposed redistribution of marks may be approved.

H. D. TAYLOR—29-5-08.

Approved.

M. H[AMMICK]—30-5-08.

G. S[TOKES]—1-6-08.

Draft please.

H. D. TAYLOR—2-6-08.

A draft is submitted for approval.

T. KANAKASUNDRAM PILLAI—2-6-08.

C. A. SOUTER—3-6-08.

Issue.

H. D. TAYLOR—4-6-08.

[G.O., No. 434, Educational, dated 4th June 1908.]

Stock Form No. 135.
4,000-27-4-06.

EDUCATIONAL DEPARTMENT.



Received 2-MAY 1908 190, Registered 2-5-1908.

Subject.

Recommending that consequent on the abolition of vernacular instruction in the College of Engineering, Madras, the redistribution of marks in the manner proposed by Mr. James, the Principal of the institution, be sanctioned.

ENCLOSURES.

No.

Ref on Current No. 2490/08

Spare copies

Station M a d r a s, Dated the 30 April 1908.

From (Name) The Hon'ble Mr. A.G. Bourne, D.Sc., F.R.S.,

(Designation) Director of Public Instruction,

M a d r a s

To the Secretary to the Government of Madras,
Educational Department

B In G.O. No. 159 Educational dated 20th March 1907 sanctioning the new rules for the College of Engineering, the discontinuance of instruction in the vernaculars for the Engineer and Engineer Subordinate classes was sanctioned, but nothing was mentioned with regard to the necessary revision of marks. The Principal, in soliciting orders on the point, suggests that the marks previously allotted for the Vernaculars be either dropped, or distributed amongst the other subjects keeping the totals unchanged. In the latter case, he proposes that they may be distributed as shown in the accompanying tables. I prefer the latter alternative and I have the honour, accordingly, to recommend that the marks be redistributed in the manner proposed by Mr. James.

I have the honour to be,

Sir,

Your most obedient servant,

C. Krishnaswami
Director of Public Instruction.

N.V.S.

Read again G.O. No.577, Edl., dated 2--9-1907.

Read also C.No.1039, from the D.P.I., R.C. No.2490, dated 30--4-1908.

ORDER:
P.S.

434 7 4 . 6 . 08.

By

A
In G.O. No.577, Edl., dated 2nd September 1907, ~~sanction was accorded to the discontinuance of~~ ^{discontinuing} the teaching of the vernacular language to the Engineer class which was formed ~~under~~ ^{the old rules} in January 1907 and to the Engineer subordinate class which was formed in July 1906. ^{was discontinued} The Principal of the College of Engineering now proposes that the marks assigned for the vernacular language, the teaching of which has been discontinued, may be distributed among the remaining subjects of study prescribed for the Engineer and Engineer subordinate classes. The Government approve this proposal and the marks will be distributed as shown in the annexure to these Proceedings.

2. The reference to G.O. No.159, Edl., dated 20th March 1907 in the Director's letter appears to be incorrect.

DESPATCHED
4-JUN 1908
NA

To the D.P.I.

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24/6/8
7/6
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Annexure

ANNEXURE.Engineer Class.

	Marks.
I. Mathematics (No alteration)	450
II. Science (-do.-)	500
III. Engineering (Hydraulic Engineering 150)	800
(Mechanism and the Steam Engine 150)	
IV. Drawing (Building Drawing 180)	650
(Machine Drawing 120)	
V. Surveying (No alteration)	500
VI. Physical Fitness (No alteration)	100
Total	3000

Engineer Subordinate Class.

I. Mathematics (No alteration)	350
II. Engineering (Hydraulic Engineering 125)	675
(Mechanism and Steam Engine 125)	
III. Drawing. (Machine Drawing 100)	475
IV. Surveying (No alteration)	400
V. Physical Fitness	100
Total	2000 *

* Marks to be awarded by the Board of Examiners	1500
Marks to be awarded by the College staff	500
	2000.

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120
600

NOTES.
