

E & P.H.

(194 50) Department.

MS SERIES.

G.O. NO.

413 Edh.

Dated

9-2-1950.

[Despatch Abstract.]

EDUCATION - Army Certificates - Evaluation of - Admission to training
courses - Orders passed.

Back Papers.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

Further Papers.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

O.F. 32.

EDUCATION

Department

Received

Registered

From (Name) Sri D.S.Reddi, M.A. (Oxon)

Designation Director of Public Instruction,

Station

Madras.

To

The Secretary to Government,
Education and P.H. Department,
Fort St. George, Madras.

Enclosures:

No. RC.1583/W.3/48 dated 1st August 1948.

Sir,

SUB:- Certificates - Army Certificates - Evaluation of:

The following Army/War Certificates have been recognised by the Madras University as equivalent to the Matriculation Examination for purposes of admission to a University course of study - vide copy of letter No.CR.370 dated 23rd January 1948 from the Registrar, University of Madras:

- The Indian Air Force Matriculation Test.
- The Higher Education Test of the Royal Indian Army.
- The Final passing out Examination of I.M.M.T.S. Dufferin.
- The Indian Army Special Certificate of Education.

2. The Government have passed orders recognising the Indian Army Special Certificate of Education as equivalent to the minimum general educational qualification prescribed in the Schedule to the General Rules for Provincial and Subordinate Services in G.O.No.3585, Public Services, dated 9th December 1943. The certificate has been recognised as equivalent to the Matriculation Examination of the Andhra University for purposes of admission to higher courses of study in the University in G.O.No.853, Education dated 6th June 1945. Again the possession of the Indian Army Special Certificate of Education has been accepted as adequate qualification for Secondary Grade Training in G.O.No.1284, dated 22nd August 1945. The certificate "Passing out Examination of the H.M.I.S.Bahadur" was accepted as equivalent to the minimum general educational qualification prescribed in the schedule to the general Rules for the Provincial and Subordinate Services in G.O.No.3303, Public Services, dated 16th November 1944. Government have not issued any orders regarding evaluation of the 1st three certificates referred to in para 1 above.

3. The question as to whether the Indian Air Force Matriculation Test, the R.I.A.F. Educational Test leading to Aircraftsman and the R.I.N. Higher Education Test can be considered as equivalent to Matriculation for purposes of Higher studies and admission to Secondary Grade Training is frequently referred to me for classification, I addressed the Registrar, University of Madras to let me know whether I.A.F. Matriculation test and the R.I.A.F.Educational Test are one and the same and if so whether the latter can be considered as equivalent to Matriculation. He replied to say that he has no information in the matter. I also addressed the Commanding Officers, R.A.F., Indian Command, New Delhi and the R.I.A.F. Head Quarters, Tambaram in the matter. So far, I have not heard from them. The question as to whether the "R.I.N. Higher Educational Test" and passing out examination of the H.M.I.S. Bahadur are one and the same or one different was referred to the Flag Officer Commanding R.I.N. Naval Head-Quarters, New Delhi and no reply has so far been received from this officer.

4. In regard to R.I.N. Higher Education Test and R.I.A.F. Education Test for reclassification to L.A.C. I solicit a reference of the letter of the Government of India, Education

Education No.24-3/45-R dated 4-3-46 communicated with the post copy of Telephone Message dated 24-10-46 from Education and Public Health Department. While replying to the Government of India's letter, the Government have not stated about the status of these certificates - Vide Education and Public Health letter No.13985-C.1/46-9 dated 7-3-47 to the Government of India. I therefore request you to let me know whether the following Army certificates can be considered as equivalent to Matriculation, for purposes of admission to (for) higher studies and admission to Secondary Grade Training:-

- (i) The R.I.A.F. Education Test for Reclassification to L.A.C.
- (ii) The Indian Air Force Matriculation Test ✓
- (iii) The R.I.N. Higher Education Test ✓
- (iv) The Final passing out Examination of the I.M.M.T.S. ✓
(Dufferin)

I am of opinion that No. (iv) viz. the final passing out Examination of the I.M.M.T.S. (Dufferin) may be considered as equivalent to "Passing out examination of the H.M.I.S. 'Bahadur' with reference to G.O.No.3303 P.S. dated 16-11-44, but I am doubtful whether the Higher Education Test of the R.I.N. will fall under the same category. I am also doubtful as to whether the I.A.F. Matriculation Test can be the same as R.A.F. Education Test for re-classification to L.A.C. Under the circumstances I request that Government may be pleased to issue definite orders of Government in regard to the evaluation of the certificates referred to above.

Yours faithfully,

K. S. Hanumanth

for Director of Public Instruction.

KAN 4/8/-

Copy of letter No.C.R.370 dated 23rd January 1948 from the Registrar, University of Madras to the Secretary to the Commissioner, for Govt. Examinations, Madras.

With reference to your Telephone Message dated the 20th January, 1948, I have to inform you that a pass in the Indian Air Force Matriculation Test is recognised, under the War Emergency laws, as equivalent to the Matriculation Examination of this University for purposes of admission to a University course of ~~XX~~ study (vide memo. enclosed)

No.C.R.4047

UNIVERSITY OF MADRAS.

University Buildings,
Chepauk, Madras.

Ref: His letter dated

...

Under the War Emergency Laws, the Examination noted below* passed by a candidate can be recognised as equivalent to the Matriculation Examination of this University for purposes of admission to a University course of study. Applications for such recognition, which is by itself a concession under the Laws should be submitted, after admission into a college through the Principal, together with the necessary certificate and the prescribed fee of Rs.5/-

Such

Such candidates are not eligible to apply for permission to appear for the Intermediate Examination after private study; they should undergo the prescribed course of ~~study~~ study in an Affiliated or Constituent college of this University for two years and earn the necessary certificates of attendance and progress before appearing for the Examination.

- *1. The Indian Air Force Matriculation Test
- 2. The Higher Education Test of the Royal Indian Navy.
- 3. The Final Passing out Examination of I.M.M.T.S. Dufferin
- 4. The Indian Army Special Certificate of Education.

Sd. -----

Ag. Registrar.

(TRUE COPIES)

K. S. Hanumanth

for Director of Public Instruction.

KAN 4/8/-

From

SRI D. S. REDDI, M.A. (Oxon)
DIRECTOR OF PUBLIC INSTRUCTION,
M A D R A S.

To

THE SECRETARY TO GOVERNMENT
Education and Public Health Department.

R.O.C.No.1583 W3/48 dated 10th Aug. 1948.

Sir,

Subject:- Certificates - Army Certificates -
Evaluation of.

In continuation of my letters R.O.C.No.1583 W3/48 dated 1--8--1948, regarding the evaluation of certain army certificates, I submit herewith the copies of letters received from the Officer Commanding, R.I.A.F., Tambaram, and from the Flag Officer Commanding, R.I.N., Naval Headquarters, New Delhi.

Yours faithfully

For Director of public Instruction

Encl:- Copies of letters

Copies of letter from the Officer Commanding, No.2, Ground Training School, R.I.A.F., Tambaram, to the Director of Public Instruction. Dated 27th July 1948.

Sub:- LAC'S Education Test: Civilian Equivalent.

Reference:- Your R.O.C.No.1093 W3/48 dated 9-7-1948 the extract from the certificate is appended below.

"The above Educational Test is recognised as equivalent to Matriculation or High School Examination of a recognised Indian University for the purpose of employment under the Government of India for such non-matriculates candidates as were recruited to R.I.A.F., during the War vide Government of India, Home Department letter No.536/45 ESTS. dated 4th February 1946".

Copy of letter dated 30th July 1948 of the Naval Officer,
to the Director of Public Instruction, Madras.

I am directed by the Commander-in-Chief, Royal Indian
Navy to acknowledge receipt of your letter R.C.No.1410-W3/48 dated
19--7--1948 and to state that the Higher Educational Test of
the Royal Indian Navy is superior to the passing out examination
of the late H.M.I.S. "Bahadur".

2. I am further directed to state that a pass in the Higher
Educational Test of the Royal Indian Navy is considered equivalent
to Matriculation for the purpose of admission to higher courses of
study. Copies of a letter from the Registrar of the University
of Madras and a copy of a Memorandum of the Home Department,
Government of India are attached for your information.

True Copies

h. s. h. anand

For Director of public Instruction.

B. 11/8

S.J.11/8.

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...the ... of the ...

3/9

Letter

Ref. 58951 23/48-1 Encl- 2/7/48

Draft

To
but end
R.G. is

The Registrar,
University of Madras
(with enclosures)

Army Certificate -
Evaluation of -

I am directed to forward for your remarks a copy of letter no R.C-1583-W-3-48 dated the 1st Aug. 48 from the D.P.G. on the above subject -
In your letter no. pages 2 & 3 of CR. 4047 dated nil. to the Director you have stated that under the War Emergency Laws the Examinations noted below can be recognized as equivalent to the Matriculation Examination of the University for purposes of admission to a University Course of Study, and that ~~forwarded~~ such recognition will be given to candidates after admission in the College and on an application with the necessary Certificate and a fee.

- (1) The Indian Air Force Matriculation Test
 (2) The Higher Education Test of the Royal Indian Navy } p3
 (3) The Final Passing out Examination of the I. M. M. T. S. Dufferin } p4
 (4) The Indian Army Special Certificate of Education -

I am to ask you to let the Govt know whether the four military certificates specified in paragraph 4 of the Director's letter can be considered as equivalent to Matriculation, or

30/8/48
 31-8-48
 7.7.

To

2-3
3/9

Draft (1)
 Dr. Rep. No. 58951-23/48-2
 Encl - 2/7/48
 To

The Registrar, University of Madras (with encl)

The Registrar, Andhra University, Waltair - with encl.

The Registrar, Annamalai University. (with encl)

Sub: Education - Army Certificates Evaluation of

I am to forward copies of letters from the A. P. No. Rc. 1583/W.3/48 dt-1-8-48 and ~~1583/W.3/48~~ Rc. No. 1583/W.3/48

Pl-79

12

2

Re no. 1583 W 3/48 dt - 10/8/48, together with previous enclosures and to request you to offer your views as to whether the R.A.F. Education Test for Reclassification to D.A.C.,

- (i) The Indian Air Force Rationing Test,
- (ii) The R.M. Higher Education Test,
- (iii) The final passing out Examination of the I.M.H.T.S. (Duffryn)

can be considered as equivalent to Rationing for purposes of admission to higher studies.

yours faithfully,

W. A. M.

22/8/48

23.848

31-8-48



All communications should be addressed to the Registrar, Annamalai University, Annamalai Nagar by designation and not by name.

ANNAMALAI UNIVERSITY

No. 10512/48 A1 d. 10-9-48

11th September, 1948.

From

THE REGISTRAR,
ANNAMALAI UNIVERSITY,
ANNAMALAINAGAR.

To

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

68841

Sir,

Sub: Education - Army Certificates - Evaluation of.

PP10-11 In reply to your letter No. 58951 43/48-2 Bdn. dated 2-9-48 on the subject under reference I have to state that the matter will be placed before the Syndicate which meets on the 18th and its views will be sent thereafter. Meanwhile, may I request you to be so good as to send me a copy of the scheme of Study and Examinations for each one of the four tests referred to in your letter for evaluation as equivalent examinations of this University.

Yours faithfully,

S. Ramachandran
Registrar.

pn. 14/9

14

4
20/9/48

PPI-24

From the Registrar,
Annamalai University,
No. 103/2/48-A1 dt-10/9/48

12/9
20/9

P24

15

EVPH(GB)

Education - Army Certificates -
Evaluation of -

SP1's letter No. RC-1583/W.3/48 dt-1-8-48.

Memo No. SP951/53/48-3 Encl-2 dt-20/9/48

SP1 is requested to furnish
the Registrar, Annamalai University,
this office with a copy of the scheme
of Study and Examinations for each
one of the ^{following} four tests, mentioned
in ~~your~~ his letter cited above and
~~also to send one copy of the same~~
~~to the Registrar, Annamalai~~
~~University, Annamalainagar, and~~
~~to intimate the fact of having done~~
~~so to this office.~~

(1) The

All official letters, packages etc.
should be addressed to the Registrar
by designation and not by name.

ANDHRA UNIVERSITY,

WALTAIR.

[125/48-(10-8-48)-5,000]

23rd September 1948

TELE { GRAMS: "UNIVERSITY," WALTAIR.
PHONE: VIZAGAPATAM NO. 8

No. C5.-5976-48

Encl.

From THE REGISTRAR, ANDHRA UNIVERSITY.

To

The Secretary to the Government of Madras,

Education and Public Health Department, Fort St. George, Madras.

Sir,

Sub: Education - Army certificates - Evaluation of.

Ref: Your letter No. 58951-G3/48-2 Education.

71725
PPID-11

University

I am to inform you that the Andhra has recognised the R.I.N. Higher Education Test and the Final passing out Examination of the I.M.M.T.S. (Dufferin) examinations

as equivalent to Matriculation Examination of this University for purposes of admission to higher courses of study.

I am to request you to furnish schemes of examinations and syllabuses in respect of the R.I.A.F. Education Test for reclassification to L.A.C. and the Indian Air Force Matriculation Test so as to enable the University to offer its views in the matter.

S.S.

Registrar.

- 1) The R.I.A.F. Test for Reclassification to L.A.C.
- 2) The Indian Air Force Matriculation Test.
- 3) The R.I.N. Higher Education Test.
- 4) The Final passing out Examination of the I.M.M.T.S. (Dufferin).

To the D.I.
Copy to the Registrar,
Andhra University.

20/9/48

17/9/48
17.9.48

No.49-M.II(5)/49
Government of India
Ministry of Commerce.

New Delhi, the 23rd February 1949

From C.P. Srivastava, Esquire,
Officer on Special Duty.

To The Secretary to the Government of Madras,
Education and Public Health Department,
Fort St. George, M A D R A S.

Subject:- Certificates-Army Certificates-Evaluation of.

Sir,

With reference to your letter No.. 58951-G3/48-6
Edn., dated the 12th December 1948, on the above subject,
I am directed to state that detailed information
regarding syllabus etc. of the Final Passing Out
Examination of the I.M.M.T.S. 'Dufferin' is given in
Prospectus of the Training Ship, which is a priced
publication and is obtainable either from the Captain
Superintendent, I.M.M.T.S. 'Dufferin' Mazgaon Pier,
Bombay, 10, or from the Manager of Publications,
Government of India, Civil Lines, Delhi.

2. I am further directed to state that H.M.I.S.
"BAHADUR" is now a Royal Pakistan Navy concern.
However, a copy of the present syllabus, which was
also followed in H.M.I.S. "BAHADUR" before partition, of the
of the Passing Out Examination in lower Class of the
corresponding R.I.N. Establishment H.M.I.S. "Ciscars"
is attached.

Yours faithfully,

(C.P. Srivastava)
Officer on Special Duty.

SRRana"

Ministry of Commerce,
Government of India,
No. 42-111(5)/49

From
C.P. Prasad, Deputy,
Officer on Special Duty.

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

Syllabuses for the 'Passing Out Examination' in Lower Class
on Board H.M.I.S. "BAHADUR".

Subjects.	Pass %.
English	40
Mathematics	40
Geography	30
History	30
Navigation	30

or 40% in the aggregate.

Syllabus:-

Section I.

English. - Reading of prescribed text-book. Translation from Urdu into English. Elementary study of the parts of speech. Construction of sentence. English composition. Dictation. Conversational exercises.

Mathematics:

Arithmetic. - Four simple rules and compound rules. Money, weights and measures. L.C.M. and H.C.F. Fractions and decimals; square roots. Ratio and proportion; proportional division; averages; percentages. Profit and loss. Simple interest. Mixtures. Conversion from M.P.H. to knots, etc.

Mensuration. - Areas of squares, rectangles, triangles. The right-angled triangle. Pythagoras Theorem. Circumference and area of circle; explanation of arc, sector, segment, radian. Volumes and surfaces of rectangular solids, cubes, cylinders, spheres; practical application of the foregoing.

Algebra. - Algebraic signs and symbols and their use; addition, subtraction, multiplication and division; numerical substitution in a formula; use of brackets; easy fractions; equations of the first degree with one or two unknowns; factors; rules of indices; theory and use of logarithms.

Geography. - The earth and its movements; latitude, longitude and time. The date line. The seasons; zones of the earth; climate and weather; monsoons; day and night, land and sea breezes; tides and their formation.

General survey of Asia : relative position of British possessions.
India: main physical features, climate and rainfall.

Section II (Part A).

English. - Advanced knowledge of the parts of speech. Parsing. Analysis, synthesis and transformation of sentences. Direct and reported speech; punctuation; use of capital letters. Correction of grammatical or other errors. To expand, compress, paraphrase or explain a given passage. Use of idioms and phrases.

Study of prescribed text-book. Essay writing. Letter writing.
Conversational exercises.

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E. H. H. (G. 3)

Please see the letters from the
Andhra and Madras Universities
on pp 16 and 18 ante. With reference
to para 2 of the letter on p. 16 ante,
a draft memo to the ^{final} D.P.I. is being
for approval. The reply from the
Madras University may be
awaited till 25/10/48.

slp
4/10/48

by
H. H. H.

5/10/48

Revised schedule
for work

2/10/48

ONo. 58951/48.

D.P.I. 16/10/48

(12)

E. H. H. (G. 3)

Education - Army Certificates -
Evaluation of —

From the Registrar, Andhra Uni-
versity, Waltair, No. C. 5. 5976-48
dt- 23.9.48

Memo No 58951/48-48 dt- 7/10/48

The D.P.I. is requested to furnish
the Registrar, Andhra University
with a copy of the schemes of
examinations and syllabuses
in respect of the R. I. A. F.
Education test for reclassification

to

22

to L.A.C. and the Indian Air Force
Matriculation Test, and to intimate
the fact of having done so to this
office.

6/10/48

11/10/48

P1608

This is the form
in the 1st 3 to file in
respect of Memo
and to intimate
the fact.

To
The Registrar,
Andhra University,
Waltair.

no
ms
20/10

ROC No. 1583 W3/48

G3

23

Office of the
Director of Public Instruction
Madras. 16th October 1948.



From
The Director of Public Instruction,
Madras.

18138

To
The Secretary to Government,
Education and Public Health Department.

Sir,

Sub: certificates - Army Certificates - Evaluation of.
Ref: Government Memorandum No. 58951-G-3/48-3 Education
dated 20-9-48.

I have the honour to state that the military authorities have
been addressed for the supply of the copy of Scheme of Study and
Examinations for the four tests and on receipt the same will be sent
to the Annamalai University.

Yours faithfully,

K. S. S. S. S.

For Director of Public Instruction

20/10

MSR 19/10

Roc. No. 1583-W3/48.

Office of the
Director of Public Instruction,
Madras, dated 31/10/48.



The Director of Public Instruction, Madras.

The Secretary to Government, Education & Public Health
Department, Madras.

Sir,

SUB: Certificates - Army Certificates - Evaluation of.

REF: 1. Government Memorandum No. 58951-G3/48-3,
Education, dated 29/9/48.
Government Memorandum No. 58951-G3/48-4,
Education dated 7/10/48.
2. My letter No. Roc. 1583-W3/48, dated 16/10/48.

I have the honour to state that the military
authorities have been addressed for the supply of the
copy of scheme of study and examinations for the tests
referred to in the Government Memorandum quoted above
and on receipt, the same will be sent to the Registrar
of the Andhra & Annamalai Universities.

Yours faithfully,
K. S. Hanumanthi
for Director of Public Instruction.

Copy to

1. The Registrar, Annamalai University, with
reference to his letter Rc. No. 10512-A1/48,
dated 23/10/48.
2. The Registrar, Andhra University.

PNK. 8/11

Education Department.

From

The Director of Public Instruction,
M a d r a s

The Secretary to the Government of Madras,
Education and Public Health Department,
Fort St. George, M a d r a s.

R.O.C.No. 1583-W3/48 dated 12th November 1948.

SIR,

CERTIFICATES--Army Certificates--Evaluation of.
Reference:-Government Memorandum No.58951-G3/48-3
Education dated 20.9.1948.

In continuation of my letter Rec.No.1583-W3/48
dated 16.10.1948, I have the honour to state that the Naval
Headquarters, New Delhi who was requested to supply or a
copy or the scheme of study and Examinations for the
R.I.N. Higher Education Test and the Final Passing out
Examination of the I.M.M.T.S.(Duffrin) has supplied me
with a copy of the form and suggests that the Ministry of
Commerce, Government of India, may be addressed for
information regarding the latter - vide copy of his
letter enclosed.

I request the favour of early orders.

Yours faithfully,

K. S. Hanumanth

For Director of Public Instruction.

ks. 20x1.

22/11

Copy of letter No.ED-0903/48 dated 29th October 1948
or the Commander-in-Chief, Royal Indian Navy, New Delhi.

I am directed by the Commander-in-Chief, Royal
Indian Navy and to attach a copy of the syllabus for
the Higher Educational Test of the R.I.N. as required.
The Higher Educational Test examinations are held twice
a year.

2. The I.M.M.T.S. (Duffrin) is not a concern of the
Royal Indian Navy and any information regarding this ship
may be obtained from the Ministry of Commerce, Government
of India.

/True copy/.

K. S. Hanumanth

For Director of Public Instruction.

22/11

30

OFFICE OF THE
DIRECTOR OF PUBLIC INSTRUCTION,
RCC No. 1583/W.3/48

31

MADRAS: 3rd December 1948.

FROM

THE DIRECTOR OF PUBLIC INSTRUCTION,
MADRAS.

TO

THE REGISTRAR, ANNAMALAI UNIVERSITY,
ANNAMALAINAGAR, CHIDAMBARAM.

Sir,

SUB:- Education - Army Certificates - Evaluation
of:

REF:- Government Memorandum No. 58951/G.3/48-3
dated 20th September 1948 and my letter
RC.No. 1583/W.3/48 dated 31st October 1948
to Government copy forwarded to you.

With reference to the communications quoted above,
I forward herewith a copy of the scheme of study and
examinations for each one of the following tests:

(1) The R.I.A.F. Educational Test for Reclassi-
fication of L.A.C.,

(2) The R.I.N. Higher Education Test.

2. It is reported by the Command Education Officer,
Air Headquarters, Royal Air Force, India Command, New
Delhi that there is no such examination as Indian Air
Force Matriculation Test conducted by the R.I.A.F. and
so I am unable to furnish a copy of the scheme for this
test as required by Government. The test has however
been recognised by the Madras University as equivalent
to Matriculation Examination for purposes of admission
to the University Courses of Study - vide copy of his
letter CR.No. 370 dated 23rd January 1948 enclosed. The
Flag Officer Commanding, R.I.N. Naval Headquarters,
New Delhi, who was requested to furnish a copy of the
syllabus for the Final passing out Examination of the
I.M.M.T.S. (Dufferin) has stated that information regard-
ing this can be had from the Ministry of Commerce, Govern-
ment of India. I have addressed Government in this regard
and their orders may be awaited.

3. The receipt of the syllabuses may kindly be ac-
knowledged.

Yours faithfully,

K. Sankaranarayanan

for Director of Public Instruction.

Copy submitted to the Secretary to Government, Education
and Public Health Department for favour of informa-
tion.

RAM.7/12

P.T.O.

32

- 2 -

Copy of letter CR.370 dated 23rd January 1948 from the Registrar, University of Madras, to the Secretary to the Commissioner for Government Examinations, Madras.

With reference to your telephone message dated the 20th January 1948, I have to inform you that the pass in the Indian Air Force Matriculation Test is recognised, under the War Emergency Laws, as equivalent to the Matriculation -- Examination of this University for purposes of admission to a University course of study - vide Memo. enclosed.

C.R.No.4047:

UNIVERSITY OF MADRAS.

University Buildings,
Chepauk, M a d r a s.

Ref: His letter dated

Under the War Emergency Laws, the Examinations noted below* passed by a candidate can be recognised as equivalent to the Matriculation Examination of this University for purposes of admission to a University course of study. Applications for such recognition, which is by itself a concession under the Laws should be submitted, after admission into a college through the Principal, together with the necessary certificate and the prescribed fee of Rs.5/-.

Such candidates are not eligible to apply for permission to appear for the Intermediate Examination after private study; they should undergo the prescribed course of study in an Affiliated or Constituent college of this University for two years and earn the necessary certificates of attendance and progress before appearing for the examination.

1. The Indian Air Force Matriculation Test.
2. The Higher Education Test of the Royal Indian Navy
3. The Final passing out Examination of I.M.M.T.S. Dufferin.
4. The Indian Army Special Certificates of Education.

sd.....
Ag. Registrar.

/True Copy/

33

OFFICE OF THE
DIRECTOR OF PUBLIC INSTRUCTION,
R.O.C.No. 1583/W3/48.

MADRAS: 3rd December 48.

FROM

THE DIRECTOR OF PUBLIC INSTRUCTION,
M A D R A S.

TO

THE REGISTRAR, ANDHRA UNIVERSITY,
W A L T A I R.

Sir,

SUB:- Education - Army Certificates - Evaluation
of:

REF:- Government Memorandum No.58951/G.3/48-4
Education, dated 7th October 1948 and my
letter RC.No.1583/W.3/48 dated 31st Oct.48
to Government - copy forwarded to you

P20 + 26 ante
P26 ante
P33 info

With reference to the communications quoted above, I have the honour to ~~state~~ to forward herewith a copy of the scheme of the syllabus in respect of the R.I.A.F. Education test for reclassification of L.A.C. In regard to the Indian Air Force Matriculation Test, it is reported by the Command Education Officer, Air Headquarters R.A.F., India Command, New Delhi, that there is no such examination as I.A.F. Matriculation Test conducted ~~for~~ by the R.I.A.F. A copy of the scheme prescribed for this test is not therefore available. I may however point out that the test has been recognised by the Madras University as equivalent to Matriculation for purposes of admission to University Courses of study - vide copy of his letter CR.No.370 dated 23rd January 1948 - enclosed

Yours faithfully,

K. Sankaranarayanan

for Director of Public Instruction.

Copy submitted to:

The Secretary to Government,
Education and Public Health Department,
Fort St. George, Madras, for information.

RAM.7/12

P.T.O.

Copy of letter CR.370 dated 23rd January 1948 from the Registrar, University of Madras, to the Secretary to the Commissioner for Government Examinations, Madras.

With reference to your telephone message dated the 20th January 1948, I have to inform you that the pass in the Indian Air Force Matriculation Test is recognised, under the War Emergency Laws, as equivalent to the Matriculation -- Examination of this University for purposes of admission to a University course of study - vide Memo. enclosed.

C.N.No.4047:

UNIVERSITY OF MADRAS.

University Buildings,
Chepauk, Madras.

Ref: His letter dated

Under the War Emergency Laws, the Examinations noted below* passed by a candidate can be recognised as equivalent to the Matriculation Examination of this University for purposes of admission to a University course of study. Applications for such recognition, which is by itself a concession under the Laws should be submitted, after admission into a college through the Principal, together with the necessary certificate and the prescribed fee of Rs.5/-.

Such candidates are not eligible to apply for permission to appear for the Intermediate Examination after private study; they should undergo the prescribed course of study in an Affiliated or Constituent college of this University for two years and earn the necessary certificates of attendance and progress before appearing for the examination.

1. The Indian Air Force Matriculation Test.
2. The Higher Education Test of the Royal Indian Navy
3. The Final passing out Examination of I.M.N.T.S. Dufferin.
4. The Indian Army Special Certificates of Education.

sd.....
Ag. Registrar.

/True Copy/

OFFICE OF THE
DIRECTOR OF PUBLIC INSTRUCTION,
ROC. No. 1583/W.3/48.

MADRAS: 3rd December 1948.

FROM

THE DIRECTOR OF PUBLIC INSTRUCTION,
M A D R A S.

TO

THE COMMAND EDUCATION OFFICER,
AIR HEADQUARTERS, R.A.F., INDIA COMMAND,
NEW DELHI.

Sir,

SUB:- Education--Army Certificates--Evaluation of:
REF:- Your letter No.A.I.R/HG/3550/1/D., dated the
5th November 1948.

I acknowledge with thanks the receipt of the syllabus for the R.I.A.F., Education Test for Reclassification as Leading Aircraftman forwarded with your letter quoted above. I have also received 2 more sets of the syllabus which I have applied in my letter RC.No.1583/W.3/48 dated the 31st October 1948. I have not received copies of the schemes for the examination with your letter No.3550/1 dated 26th November 1948. I request you to furnish a copy of the same direct to the Registrar, Andhra University, Waltair and another to my office.

2. An early compliance is requested.

Yours faithfully,

Kamharana

for Director of Public Instruction.

Copy forwarded to:

The Registrar, Andhra University, Waltair for
information.

Copy submitted to:

The Secretary to Government, Education and P.H.Dept.,
Madras, for information.

RAM.7/12

36

EDUCATION DEPARTMENT

FROM
The Director of Public Instruction,
Madras.

66580

TO
The Secretary to Government,
Education and Public Health Department,
Port St. George, Madras.



R.O.C.No.1583 13/48 dated 31st August 1948.

Subject:- Certificates -- Army Certificates -- Evaluation of --

A /
P 38-1/57

In continuation of my letter Rec.No.1583 13/48 dated 1-8-48 regarding the evaluation of certain army certificates, I submit herewith a copy of the 'passing out examination in Lower Class on board H.M.I.S. "Bahadur" Certificate and I request that orders in regard to the evaluation of this certificate also may be issued.

Yours faithfully,

K. Sankaranarayanan
For Director of Public Instruction.

83/3/7.

8/49.

COPY OF THE CERTIFICATE.

2

39

28

CERTIFICATE OF EDUCATION GRANTED UNDER THE AUTHORITY OF THE
FLAG OFFICER COMMANDING ROYAL INDIAN NAVY.

Certified that official number 8541
Name T. MADIRA Rate STOKER BOY
Passed the Passing out Examination in LOWER CLASS
on Board H.M.I.S. "BAHADUR" this 21st day of June
1943.

EXAMINING OFFICER L. A. KIM
Headmaster Lieut. R.N.

P.H.
Captain R. I. N.

Commanding Officer, H.M.I.S. "BAHADUR"

Place MANORA, (SIND)
Date 21-6-1943.

43
40
[Faint handwritten text, mostly illegible]

B3
84
18/10

(2) 41 E + PH (G3)

Certificates - Army Certificates.
Evaluation of

C.No. 66580/48 From the D.P.I. 1583-W.3/48 dated 31.8.48

Pig A 18/10

Memo. No. 66580/48-1 Dated - 18/10/48

For the purpose for which the evaluation of the certificate of the "passing out examination" in lower class on board H.M.S. "Bahadur" is required by him.

To the D.P.I.
[Signature]

12/10/48
121040

16/10/48

Handwritten notes on the left page, including:
- "E 44H 3"
- "Certificates - Army certificates - Evaluation of"
- "From the B.I. 1283-W-3/48"
- "31.2.48"
- "Memo No. 66580 G3/48-1"
- "The purpose for which the evaluation of the certificate in question is required is in connection with a petition received from one E.J. Madiera, a copy of which is enclosed herewith."
- "21/10/48"
- "21/10/48"

Rec. No. 1583-W3/48.

Q3 (N) 4342
Office of the
Director of Public Instruction,
Madras, Dated 31/10/48.



From The Director of Public Instruction, Madras.
To The Secretary to Govt, Education & Public Health Dept,
Madras.

Sir,
SUB: Certificates - Army certificates - Evaluation of.

8413 REF: Government's Memorandum No. 66580 G3/48-1,
Education, dated 18/10/48.

The purpose for which the evaluation of the certificate in question is required is in connection with a petition received from one E.J. Madiera, a copy of which is enclosed herewith.

Yours faithfully,
K. S. Manian
for Director of Public Instruction.

PNK. 8/11

Handwritten initials and date:
B
10/11

23, Cathedral Road,
Cathedral P.O.,
Madras, Dated 6/8/48.

To

The Director of Public Instruction,
Nungambakkam,
Madras.

Sir,

My son has been serving in the Royal Indian Navy during the war and he was awarded by the MK H.M.I.S. Bahadur Naval Training Establishment, Karachi a certificate stating that he passed his education test by the Lower Class. I request you to let me know by return of post the equivalent examination that can be compared to the military examination so as to enable me to post him in service quoting his educational attainment.

Thanking you,

Yours faithfully,

(SD) H.J. Madeira.

6/8/48.

[Faint, mostly illegible handwritten text on the left page, possibly bleed-through from the reverse side.]

21/1
13/1/22
14/1/22

and the Passing out
Examination
in Lower class
on board HM 15
"Bahadur"

Vide p. 1 of in
top file (84113)

(50) 47
E-18#(513)

Dr. Regro. 5895193/48 to Genl- 12/12/48

The Secretary to the Govt of India,
Ministry of Commerce,
New Delhi.

Sir,
Sub: - Certificates - Army
Certificates - Evaluation of

I am to request you to furnish
^{this Govt.} me with a copy of the syllabus etc
of the Final Passing Out Examination
of the I.M.H.T.S (Dufferin) ~~at the~~
~~may they are required for the purpose of~~
~~evaluation of the above certificates and~~
~~of these examinations~~ yours truly.

151248
11/1/49

52

Mathematics:

Geometry. - Use of ruler, compasses, set-squares and protractors; bisection of lines and angles; perpendiculars; parallel lines; dividing a line into any number of equal parts; construction of figures according to given data; construction of the inscribed and circumscribed circles to a given triangle.

Geography. - India : Its resources; railways; ports and cities; trade routes by land, sea and air; imports and exports.

World oil deposits. Chief naval fuelling stations. Principal ports and capitals of the world. Importance of Suez, Panama and Keil canals.

Navigation. - The earth as a sphere; equator and poles; great circles and small circles; meridians; parallels of latitude; longitude; D'lat; D'long. The nautical mile, knot, cable. The Rhumb Line; distinction between great circle and rhumb-line tracks. Ideas of direction and bearing; the gyro compass; true course and bearing.

The earth as a magnet; variation; the magnetic compass. The magnetism in a ship; deviation; deviation table. To apply variation and deviation in the correction of courses and bearings.

Mercator's Chart : brief description, advantages and disadvantages relation between the scales of latitude and longitude. Methods of showing dead reckoning, estimated and observed positions. The commoner chart abbreviations. The Gnomonic Chart : its uses in polar regions.

System of lights. System of buoyage (to be illustrated). Precautions when navigating in a fog. Leading marks; clearing marks; clearing bearing. Theory of fixing a position by (i) cross bearings, (ii) running fix. Practical Chartwork. To carry out a day's run (no tide), fixing position by cross bearings or running fix, details being given either for (i) gyro compass or (ii) magnetic compass.

Section II (Part B).

Mathematics:

Algebra. - Solution of quadratic equations.

Trigonometry. - The trigonometrical ratios : their meaning and measurements; ratio of 0° , 30° , 45° , 60° , 90° , simple trigonometrical relations. Tables of natural sines, cosines, and tangents and their use.

Solution of right-angled triangles; simple problems in heights and distances in one plane; complementary angles; circular measure; the radian.

History. - Ancient India : From the earliest times up to A.D. 1200 (including the early Islamic invasions). Mohammedan Period : beginning with the Slave Dynasty to the death of Aurangzeb. Rise and fall of the Marathas. Indian history from the formation of the East India Company up to the India Bill of 1935. Causes of the present war.

53

(Minute details of wars, treaties, etc., should be omitted. Attention should be given to great and important events and the part played by great men and women.)

Naval History. - The early voyages of discovery; the beginnings of the Navy; formation and history of the service since 1612; services of the Marine during the Mutiny and in the Great War; the R.I.N. in the present war.

54

72/5-3.

Ans
Ans
11/3
5/3

Here are previous
papers re: the
recognition of this
exⁿ as equivalent
to the entrance
exⁿ. I think that
is also embodied in
the minute calendar.

(29)
E.P.H. (G12)
Letter / Ref No 58951 Q3/48-9
22nd- 5/3/49.

To
Gen Captain Superintendent,
I.M.M.T.S. "Dufferin" Magazine Pier,
Bombay 12.

Sir,
Sub:- Certificates - Army Certificates -
Evaluation of
I am ^{Director} to request you to furnish
me with a copy of the syllabus etc
of the Final Passing out Examination
of the I.M.M.T.S. "Dufferin"; ~~as it is~~
~~required for the purpose of evaluating~~
~~that examination~~ the cost of the publica-
tion, if any, will be paid.
Yours ffly

22/3/49
3/3/49
3/3/49



No. 20.240/A1

From

ANNAMALAI UNIVERSITY

7th March, 1949

THE REGISTRAR,
ANNAMALAI UNIVERSITY
ANNAMALAINAGAR

To

The Secretary to Government of Madras,
Education and Public Health Department,
M a d r a s.

19 MAR 1949

10 MAR 1949

Sir,

Ref: No. 58951 G3/48--2 Edn. *P10-11 ante*

Sub: Education - Army Certificates - Evaluation
of.

18651

I am to state that the Army Certificates Examination is recognised as equivalent to the Matriculation Examination for purposes of admission to this University provided that the candidate applying for such admission has rendered active service in the last war and has paid the prescribed recognition fee therefor. This arrangement shall be in force till 1954.

Yours faithfully,

S. Sathidhamaud *P. S.*
Registrar.

P.N.8/3

E+PH (G13)

See report from the other universities may be awarded, till 15/4/49.

del 16/3/49 16.844 - 17/3/49

1.M.M.T.S."Dufferin",
Mazgaon Pier, Bombay 10.

No. C-5/S-1349

17th March 1949.

The Secretary to the Government of Madras,
Education and Public Health Department,
Secretariat, Madras.

Sir,

Subject:- Certificates - Army Certificates -
Evaluation of.

Please refer to your letter No.58951 G3/48-
9 Edn. dated 5th March 1949.

2. There is no publication available in the
Training Ship to show specifically the syllabus
of the Final Passing Out Examination. In the
Prospectus however, are details of the
curriculum covered by the Cadets during their
training.

3. It is requested that I may be informed
whether the present enquiry is raised in connection
with either

- (1) The three years system of training
- (2) The new two years system of training
- (3) The curtailment of one year training
in the case of Engineer Cadets passing
out in December 1949.

4. On receipt of this information it may be
possible to give further details to assist you
in evaluation of the "Dufferin" Final Passing
Out Certificate.

Yours faithfully,

Captain Superintendent.

KCS:

60
No. C.5/2149
17th March 1949

The Secretary to the Government of India,
Education and Public Health, Bombay 10.



Please refer to your letter No. 58951 dated 24th March 1949.

There is no publication available in the
Training Ship to show specifically the syllabus
of the final passing out examination. In the
Prospectus however, are details of the
curriculum covered by the Cadets during their
training.

It is requested that I may be informed
whether the present enquiry is raised in connection
with either

- (1) The three years system of training
 - (2) The new two years system of training
 - (3) The curtailment of one year training
- in the case of Engineer Cadets passing
out in December 1949.

On receipt of this information it may be
possible to give further details to assist you
in evaluation of the "Dufferin" final passing
out certificate.

Yours faithfully,

2 drafts
6/5/49
6/6/49

(2)

61-67

E. & P.H. (G.2)

Letter/Ref. No. 58951 dated 24.3.49

To

The Captain Superintendent,
I.M.M.T.S. "Dufferin",
Mazgaon Pier, Bombay 10.

Sir,

Sub:- Certificates - Army certificates - Evalua-
tion of.

Ref:- Your letter No.C.5/S.1349 dated 17.3.49.

I am directed to request you to furnish me
with a copy of the Prospectus containing details of
curriculum covered by the I.M.M.T.S. Dufferin cadets
during their training. With reference to paragraph
2 of your letter quoted above, I am to state that the
details are required in connection with a question
which

6/6/49
6/8/49

PB3cf

PP1-2

-2-

62

which has been raised, whether the certificate of the Final Passing Out Examination of ~~the~~ I.M.M.T.S. Dufferin can be considered ~~as~~ as equivalent to Matriculation for the purpose of admission to higher courses of study and to Secondary Grade Training.

Yours faithfully,

VR
4/6/49
4.649
om
6/6/49

AP. 8/G. 1375

TRAINING SHIP "DUFFERIN",
Mazgaon Pier, Bombay 10.

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

Sir,

45558

Reference your No. 58951 G2/48 Education dated the 6th instant, one copy of the Ship's Prospectus is forwarded herewith.

Yours faithfully,

Encl: 1.

KSN.

Captain Superintendent.

22
64

22/5
67-68
19/7

25/7

65

Letter / Ref No 5895/92/48-12 E.H.H (92)
22nd - 19/7/49

The Registrar, University of Madras.

Sir,
Sub: - Education - Army
Certificates - Evaluation of

I am to invite a reference
to your letter No. CR. 4648 dt-
29.7.48 and to request you to
communicate the decision of
the Syndicate in the matter, if
a decision has been arrived at
yrs ffe,

16/7/49 16.7.49 18/7/49 18/7/49



UNIVERSITY OF MADRAS.

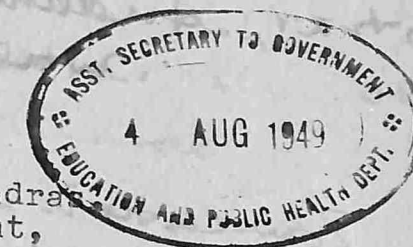
UNIVERSITY BUILDINGS,

CHEPAUK,

3 - AUG 1949

No. CR3793.

Madras.



From
The Registrar,
University of Madras.

To
The Secretary to the Government of Madras,
Education and Public Health Department,
Madras.

Sir,

Ref: Correspondence ending with your letter
No. 58951-G2/48-12 Edn dated 19-7-49
regarding recognition of the following exa-
minations as equivalent to the Matriculation
Examination:

1. The Indian Air Force Matriculation Test.
2. The Higher Education Test of the Royal Indian Navy.
3. The Final Passing out examination of the I.M.M.T.S.
Dufferin.
4. The Indian Army Special certificate of Education.

I have to inform you that the examinations mentioned
under reference have been recognised as equivalent to the
Matriculation Examination permanently for purposes of ad-
mission to a higher course of study in this University.

Yours faithfully,

R. R. R. R. R.
Ag. REGISTRAR.

E-4H (G2)

mks/28.

Re: may await the reply of the
Registrar, University of Madras, to the letter of 15/7/49.
15/7/49 4/8/49 5/8/49

II Draft

Dr. Ref No 58951 G2/48-132 dated 19/7/49.

To the Registrar, Andhra University,
Waltair.

Sir,

Sub:- Education - Army Certificates -
Evaluation

I am to invite a reference
to correspondence resting with your
letter No. CS-5976-48 dt-23/7/48
on the above subject and to enquire
when your final reply to letter Ref No.
58951 G2/48-2 dated 2/9/48 may be expected.
Ans Jfy.

P1608

PP10-1808

RS
16/7/49

19/7/49

All official letters, packages etc.
should be addressed to the Registrar
by designation and not by name.

ANDHRA UNIVERSITY,

WALTAIR.

4th AUGUST, 1949

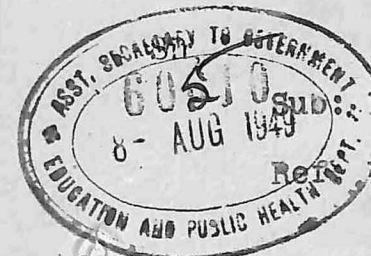
TELE { GRAMS: "UNIVERSITY," WALTAIR.
PHONE: VIZAGAPATAM NO. 8

No. G5-5976/48.

Encl.

From THE REGISTRAR, ANDHRA UNIVERSITY.

To - The Secretary to the Government of Madras,
Education and Public Health Department,
Fort St. George, M A D R A S.



Sub: Education - Army Certificates - Evaluation.

Ref: Your letters No.s 58951-G.3/48-49 Edn. dated 20-9-48 and
19-7-49.

With reference to your above letter, I am to inform you that
the Syndicate at its meeting held on 22-7-49 considered the
question of recognition of the R.I.A.F. examination for reclassifi-
cation as leading Air-Craftsman as equivalent to the Matriculation
examination of this University and resolved as follows:

RESOLVED that Government be informed that the University cannot
see its way to recognise the R.I.A.F. Examination as equiva-
lent to the Matriculation Examination of the University for
purposes of admission to University courses of study as in the
opinion of the University the standards of examination is much
lower than that of the Matriculation Examination of this
University.

CR.

REGISTRAR,

20

67739

From
To

The Director of Public Instruction,
M a d r a s

The Secretary to the Government of Madras,
Education and Public Health Department,
Fort St. George, M a d r a s.

R.O.C.No. 1583-W3/49 dated 29th August, 1949.

Sir,

PP 1-2 aut

Subject:- Army Certificates -- Evaluation of.
Reference:- My letter Roc.No.1583-W3/49 dated 1.8.1948 and
correspondence ending with Government Memo.No.58951-G2
Education & P.H. dated 6.6.1949.

PP 1-2 aut

In continuation of my letter referred to above, I have the
honour to state that the R.I.A.F. Educational certificate for Reclassifica-
tion to Leading Aircraftsman has already been accepted as equivalent to
the Matriculation for purposes of employment by the Government of India--
vide para 3(a) of their letter No.F.24-3/45-R dated 4.3.1946 communicated
with Post copy of telephonic message from Government dated 24.10.1946.
I request you to favour me with early orders of Government in the matter
to enable me to dispose of certain cases, which are pending in my office
for a long time.

Yours faithfully,

Konhamann

For Director of Public Instruction.

Xw 20/8/15/18

ks.30-8.

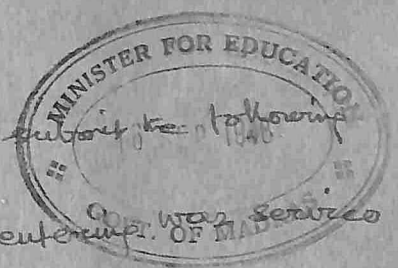
To



P. J. HON'BLE. T. S. Aranasilingam delhiat Esq.

MINISTER FOR EDUCATION. GOVT OF MADRAS.

MADRAS.



Sir,
I, ex. IND. 19149 LAC. SUBRAMANIAM, V. submit the following for perusal and favourable orders. Before entering into service I have undergone teachers training in 12. Higher grade. I am a T.T.C. holder with 5 years' experience in Recognized schools.

During my stay in R.I.A.F I passed R.I.A.F. H.C. Education test. This test is recognized by the Govt of Mad India (vide Govt of India Home Dept. letter NO. 536/45 dtd 4.2.1946.)

I submitted an application to the Secretary to the Commission for Govt. Examinations Madras on 9.6.48. through D.E.O. Nolkhor to permit me to appear for T.S.L.C. examination in secondary grade as a private candidate. But my request was turned down on the plea that my pass in R.I.A.F. test is not equivalent to Matriculation.

It is clearly mentioned in G.O. cited in para 2 that the above test is equivalent to Matriculation of a recognized Indian University. Perhaps the Govt of India letter was not taken notice of by the authorities concerned.

I submit that Indian Army test and Higher Education test of Navy are recognized by the Govt of Madras as equivalent to H.C. It is not known why a step towards treatment is given to ex. pass in R.I.A.F. LAC. test. In this connection I submit that Indian Army test and Higher Education test are nothing but equivalent to R.I.A.F. LAC. test.

P. J. H. S.

is no difference between these parallel tests. the
 Indian army test, Higher education test and Ltc.
 Educational test are held for soldiers, sailors and
 Airman respectively.

I therefore humbly request that the Minister
 may be pleased to permit me to appear for the examination
 noted above, as a private candidate and to recognize
 my pass in R.I.A.F. Ltc. Test as the Govt of India
 have done in their G.O. cited in para 2.

I remain,
 Yours faithfully
 J. Subramaniam

MY ADDRESS
 V. SUBRAMANIAM
 90.
 S. ANNAMALAI.
 CLERK.
 H.E.D. CENTRAL OFFICE.
 X. HETTOR DAM. P.O

Ed. B. H. H. H.
Ed. B. H. H. H.
Ed. B. H. H. H.
 Transferred to the
 (APP 93)

The question whether the Army
 Qualification referred to in this
 petition can be considered to be
 equivalent to Matriculation
 is separately under consideration
 in another file. The decision
 in that file may be awaited
 till 1.11.48.
 25.9.48

GOVERNMENT OF INDIA
 The Prime Minister's Secretariat

3062
 24 SEP 1948
 The communication has been
 not been
 CHIEF SECRETARY

Madan Lal Mehta
 (Madan Lal Mehta)
 Asstt. Private Secretary to the Prime Minister.

Prime Minister's Sectt. u/o. No. 27644
 Dated DMP/11/48.
 15-9-48

To

Rt. Hon'ble JAWAHARLAL NEHRU Esq.

The Premier, Govt of India

NEW DELHI. P.O.



RECEIVED

5.9.45

CS Madras
rel.
199

I submit the following for perusal and favourable orders

I am an ex-service man. I passed L.A.C. Educational Test, certificate

being S.37/W/44.

I applied to the Secretary to the Commissioner for Govt. Examinations Madras to permit me to appear for I.S.L.C. public examination in secondary grade as a private candidate. But my request was turned down on the plea that my pass in R.I.A.F. test is not equivalent to the Matriculation of recognised Indian university. Perhaps the authorities concerned do not know that R.I.A.F. test has been declared as equivalent to Matriculation by the Govt of India Home Dept. letter No. 536/45 dt. 4.2.46

The Indian Army test and Higher Education test are recognised by the Govt of Madras as equivalent to Matriculation. It is not known why a step-motherly treatment is given to a pass in R.I.A.F. Further there is an impression in the official circles in Madras province that the R.I.A.F. test is not recognised as a valid one.

In view of the fact that I have already passed R.I.A.F. test which the Govt of India have recognised as cited in para. 2. I request you to kindly persuade the Govt of Madras to accept the view as contained in G.O. cited of the Govt of India cited in para. 2.

My Address

V. SUBRAMANIAM

90.

S. ANNAMALAI, CLERK,

H.E.D. Central Office.

I remain,

Yours faithfully

F. Subramanyam

Please see the communication overleaf. It may

be transferred to B. & PH. with the information that for

appointment to the public service a pass in the R.I.A.F.

Educational Test for reclassification to leading aircraftman

is not recognised as equivalent to the minimum educational qualification.



S.C. 3062/48-1
29-9-48

72298

Ch.P.H.
93.

Please see the note on

p 2 ante. This representation is the same as on pp 1-2 cf. This may lie over till 1.11.48, as has already been ordered.

13-10-48

The question of treating the

arming qualifications as equivalent

to Matriculation has not yet been

settled, this may continue to lie over till 15/12/48.

referred in the representation made up

p 2 ante

30/11/48

30/11/48

This may continue to

lie over till 25/3/49.

27/1/49

From K. Sankarman Nair
Teacher, Native H.E. School
VALLIKUNNU (via) Ponnani (S. India)

To The Honourable the Minister for Home Department
to the Govt of India, New Delhi

Sir, I am a Higher Elementary Grade Trained Teachers' Certificate holder who have also passed the R.I.A.F. Educational Test in 1947. As the test is equivalent to the Matriculation Examination, I had applied for permission to appear for a Secondary Grade Training School Leaving Certificate Examination with a copy of R.O. No. 557 D/10.2.48 of the Divisional Inspector of Schools, Coimbatore Division. In my application, the Director of Public Instruction, Madras in his R.O. No. 2285 W 3/48 of 9.12.48 stated that the matter is still under consideration of the Govt and their orders were awaited.

The Madras Government's proceedings state with the eligibility to appear for the Sec. Grade T.S.L.C. exam: as private candidates is to hold a certificate which is eligible for consideration of Public Service Commission. In the year 1947 itself the Govt of Madras had approved the R.I.A.F. Educational Test Certificate, which should be eligible to appear for Service Commission and they have approved a particular candidate in their services after passing the Service Commission Test. The Divisional Inspector of Schools, Coimbatore Division has permitted a particular candidate to appear for the Secondary Grade T.S.L.C. exam: as a private candidate. Even then, the Director of Public Instruction, Madras did not permit me to appear for the T.S.L.C. Exam. I am corresponding with the authorities in this matter since 24.3.48. But, unfortunately, I received no any favourable reply.

In the light of the above said facts I request you that my case may be considered seriously and necessary

(P.T.O.)

62/6949.

War

Education & Public Health dept (C.)

Encl- 47318 - C1/49 - 1 Edu dated 25/6/49
Referred to the Director of Public Instruction
for remarks

To, The Director of
Public Instruction

Asst Secretary to Govt

22/6/49

22/6/49

OFFICE OF THE DIRECTOR OF PUBLIC INSTRUCTION, MADRAS

Re. No.2285 W3/49 dated 18-7-49

Ref:--Govt. Endt. No.47318-C1/49-1 Education dated
25-6-49 of Education and Public Health Dept.,
referring for remarks the petition dated 17-6-49
of Sri R. Sankunni Nair, Assistant teacher -
Vallikannu Native Higher Elementary School requesting
permission to appear for Secondary Grade
& Training privately.

Re-submitted.

2) The petitioner has passed the R.I.A.F. Educational
Test for reclassification to Leading Aircraftmen and has been
placed in class A. The question regarding the equivalence of
this certificate for purposes of admission to higher studies
and admission to Secondary Grade Education was referred to Govt.
in this Office Roc.No.1583 W3/48 dated 1-8-48 and the matter is
under the consideration of Government. Vide- Correspondence
ending with Government Memorandum No.58951 G2/48-11 dated 6-6-49.
Pending a decision on the question, the petitioner was informed
on 22-10-48 that he could not be permitted to appear for
the Secondary Grade T.S.L.C. Examination as a private candidate.

3) The candidate Sri B. Rajaratnam, referred to in
paragraph 5 of the petition holds also the R.I.A.F. Educational
Test Certificate. He was permitted by the Secretary to the
Commissioner for Government Examination, Madras to appear
for the T.S.L.C. examination as a private candidate long before
the question referred to above was raised to Government under
the following circumstances. The Secretary to the Commissioner
for Government Examination consulted the Registrar, Madras
University as to whether the holders of such Certificates are
admitted for further studies in the University. The Registrar
replied that under the war emergency laws, the success in the
R.I.A.F. test examination will be recognised as equivalent to
the Matriculation examination of the Madras University for
purposes of admission to a University Course of study. Accordingly
the candidate was permitted by the Secretary to the Commissioner
for Government Examination to appear privately for the T.S.L.C.
examination, March 1948. But the candidate, Sri B. Rajaratnam
it is reported, did not appear for the T.S.L.C. examination of
March 1948.

4) The petitioner also refers to about one Sri P.C.
Velayutham of S. Malabar, who holds similar Certificate and who
was permitted to appear for the Madras Public Service Commission
examination. This Office has no correspondence on the subject.

5) The case of the petitioner as well as similar
cases of his, are pending disposal for want of orders of Govt.
on the question regarding evaluation of Army Certificate referred
to in this Office letter Roc.No.1583 W3/48 dated 1-8-48. I
request you to favour me with the early orders of Government in
the matter.

Maybe transferred to 2nd section
2/8/49
OP 2/8/49
4/8/49 R2

For Director of Public Instruction

To
The Secretary to the Government of Madras,
Education and Public Health Dept.,
Madras.

Clb.25-7-49

Pp1-2 of -
 P5 of
 P16 of
 P61 of -


 P7508
 P7608
 P9008
 116 2
 912

Edn. dated 9-2-50

PP1-2c

- The Government understand from the Registrars of the three Universities that the decisions of the respective University Authorities regarding the admissibility of the holders of the Certificates referred to, ~~and~~ to University Courses are as indicated below:-

P61 of

P7508

84 Andhra University - The following have been recognized as equivalent to Matriculation Examination:-

- (i) R.I.N. Higher Education Test.
(ii) The Final Passing out Examination of the I.M.M.T.S. Dufferin.

The two Air Force Examination certificates are not so recognized.

3. The Government have examined the question of the eligibility of the holders of the four Certificates to admission to the Secondary Grade Training Course and consider that the holders of all the four Certificates may be made eligible for admission to the T.S.L.C. Course.

The Director of Public Instruction is requested to take action to make necessary amendments in the M.E.R. in view of the orders contained in this G.O.

To
The D.P.I.
Copy to C.I.
The Registrar of the Universities.
3 spare copies.

85 94
Government of Madras.
Education & Public Health Department.
G. O. Ms. No. 413 Education, dated 9th February 1950.
Abstract:

EDUCATION - Army certificates - Evaluation of - Admission to training courses - Orders passed.

Read:

From the Director of Public Instruction Rc. No. 1583-W3/48 dated 1-8-48 and Rc. No. 1583-W3/48 dated 10-8-48
From the Registrar, Andhra University, C. 5. 5976-48 dated 23-9-48.
" " Annamalai " No. 20240-A1 dated 7-3-49.
" " Madras " No. C. R. 3793 dated 3-8-49.
From the Director of Public Instruction Rc. No. 2285-W3/48 dated 18-7-49.
No. C. 5-5976/48 dated 4-8-49.

ORDER:

The Director of Public Instruction has asked for orders regarding the evaluation of the following four defence Forces Examination Certificates, for purposes of admission to higher courses of study in the University and for admission to the Secondary Grade Training Course:-

- (i) The Royal Indian Air Force Education Test for Reclassification to Leading Air Craftsman.
(ii) The Indian Air Force Matriculation Test.
(iii) The Royal Indian Navy Higher Education Test.
(iv) The Final Passing out Examination of the I.M.M.T.S. (Dufferin)

The Government understand from the Registrars of the three Universities that the decisions of the respective University Authorities regarding the admissibility of the holders of the certificates referred to are as indicated below:-

Annamalai University - All the four certificates are recognised as equivalent to the Matriculation Examination for purposes of admission to the University courses provided the candidate has rendered active service in the last war and has paid the prescribed recognition fee. This arrangement is to be in force till 1954.

University of Madras. - Of the four examination certificates only the following three have been permanently recognised as being equivalent to a certificate of pass in the Matriculation examination.

- (i) The I.A.F. Matriculation Test.
(ii) The R.I.N. Higher Education Test.
(iii) The final passing out Examination of the I.M.M.T.S. (Dufferin.)

Andhra University - The following have been recognised as equivalent to Matriculation Examination:-

- (i) R.I.N. Higher Education Test.
(ii) The Final Passing out Examination of the I.M.M.T.S. Dufferin.

The two Air Forces Examination certificates are not so recognised.

3. The Government have examined the question of the eligibility of the holders of the four Certificates to admission to the Secondary Grade Training Course and consider that the holders of all the four Certificates may be made eligible for admission to the T.S.L.C. Course.

POST COPY OF TELEPHONIC MESSAGE (No. 1583 W3/48)

Office of the Director of
Public Instruction, Madras.
Dated 22nd February 1950.

From The Director of Public Instruction,
M a d r a s.

To The Secretary to Government,
Education and Public Health Department,
M a d r a s.



Sub: Education - Army Certificates - Evaluation of - Admission
to training. Courses.

Ref: G.O.Ms.No.413 Edn. dated 9-2-50 of the Education and Public
Health Department.

I presume that the T.S.L.C. Course mentioned in para 3 of
G.O.Ms.No.413 Edn. dated 9-2-50 refers to secondary grade training
only.

Please let me know whether my presumption is correct.

For Director of Public Instruction.

vs.23.2.

Course.

(BY ORDER OF HIS EXCELLENCY THE GOVERNOR)

J. M. Lobo Prabhu,
Secretary to Government

To The Director of Public Instruction.

Copy to C.1 Section.

True copy / Forwarded / By Order.

KK.9.2.

Superintendent.

2
88
Office of the Director
Public Instruction, Madras
Dated 22nd February 1950.



The Director of Public Instruction,
Madras.
The Secretary to Government,
Education and Public Health Department,
Madras.

Sub: Education - Army certificates - Evaluation of - Admission
to training. -
Ref: G.O. No. 413 Edn., dated 9-2-50 of the Education and Public
Health Department.
I presume that the T.S.L.C. course mentioned in para 3 of
G.O. No. 413 dated 9-2-50 refers to secondary grade training
only.

Please let me know whether my presumption is correct.
For Director of Public Instruction.

100
X

89

E. & P.H. (G.2)

Education - Army certificates - Evaluation of - Admission
to training courses.

C.No. 14535/50. *PP 94-95*
READ:- G.O. No. 413 Edn., dated 9-2-1950.
From the D.P.I. P.C. of T.M. No. 1583 W3/48 dated 22-2-50.

Pig.
3/2/50

Memo. No. 14535/50-1 Edn., dated 28.2.50.

The presumption of the D.P.I. that the T.S.L.C. course
mentioned in paragraph 3 of the above G.O. refers to second-
ary grade training only, is correct.

To

The D.P.I.
Copy to C.
2 spare copies.

VS
25/2/50
25.2.50
AST
21/2/50

(R)

Note
After issue, the memo may be
for file with G.O. No 413 Edn 27
25.2.50
21/2/50

Certificates - Army certificates - Evaluation of.

From the D.P.I. No. R.C.No. 1583/W.3/48 dated 1-8-48,
and R.O.C.No. 1583-W.3/48 dated 10-8-48.

Please see the letter from the D.P.I. on pp 1-2 and 5 c.f.,
with their enclosures on pp 2-3 and 5-7 c.f. He wants orders
as to whether the four qualifications cited by him at R on p 2
c.f. can be considered as equivalent to Matriculation for
purposes of admission to higher studies and admission to
Secondary Grade Training. It is observed that the Registrar,
Madras University, has stated that examinations referred to by
the D.P.I. can be recognised, under the War Emergency Laws, as
being equivalent to the Matriculation Examination of the Madras
University. The question is whether even without reference to the
War Emergency Laws, the Examinations can be so recognised. The
Registrar may be asked about it.

The Registrars, Andhra and Annamalai Universities may also
be addressed in the matter.

If the Examinations are declared to be equivalent to
Matriculation for purposes of admission to Collegiate courses,
it is presumed that candidates with the Certificates can be
deemed to be fit for admission to Secondary Grade training also.

The draft letters below are for approval.

Through C.I. 30/8/48
(cc: Secy Grade Training)

RS
35/8/48

Wb
30/8/48

W
31-8-48

A-S I 11/9/48
S W
1/9/48

[Issued as Lt. Ref. No. 58951/43/48-1 Serial
2/9/48]
[Issued as Lt. Ref. No. 58951/43/48-2 Serial-2/9/48]

From the Registrar, Andhra University, No.C.5.5976-48 dated
23-9-1948.

From the D.P.I. Roc.No.1583-W3/48 dated 31.8.48.

From the Govt. of India, Ministry of Commerce, No.49-M.II(5)
49 dated 23-2-1949.

From the Registrar, Annamalai University, No.20240/A.1 d./-
7.3.1949.

From the Registrar, Madras Univy, NO.E.R.3093, d./-3.8.49

From the Registrar, Andhra Univy, C5-5976/48 d./-4.8.49

From the D.P.I. R.O.C.No.1583-W3/49 dated 29.8.49.
2285-W3/49 18-7-49

P16cf

P36cf

P53cf

P61cf

P75cf

P76cf

P78cf

PP8-704

PP10-114

15 20048314

The D.P.I. desires to know whether the following Army certificates can be considered as equivalent to Matriculation for purposes of admission into the University course of studies and also for admission to Secondary Grade Training:--

- (i) The R.I.A.F. Education Test for Reclassification *to Leading Air Craftman leading to I.A.C.*
- (ii) The Indian Air Force Matriculation Test;
- (iii) The R.I.N. Higher Education Test; and
- (iv) The Final Passing out Examination of the I.M.M.T.S. (Dufferin).

He is of the opinion that certificate No. (iv) mentioned above, viz., the Final Passing out Examination of the I.M.M.T.S. (Dufferin), can be considered as equivalent to "Passing out Examination of the H.M.I.S. Bahadur" with reference to G.O. No. 3303 P.S. dated 16-11-1944 and as the Certificate of "H.M.I.S. Bahadur" has been accepted as equivalent to the minimum general educational qualification prescribed for appointment in Govt. Service, the Final Passing Out Examination of the "I.M.M.T.S. (Dufferin)" may also be considered as equivalent to ~~the~~ minimum educational qualification prescribed for Government appointment. *But*

He does not say however whether the I.M.M.T.S. (Dufferin) test can be recognised as equivalent to Matriculation for purposes of admission to the University courses of study or to the Secondary Grade Training Courses which is the question raised in this file. Apparently he thinks it can be so recognized.

2. The Registrars of the three Universities were consulted as to the position regarding the eligibility to University courses of studies of the holders of the four military certificates mentioned by the D.P.I. The position is as follows:--

Annamalai University.

The certificates are recognized as equivalent to the Matriculation Examination for purposes of admission to the University provided the candidate has rendered active service in the last war and has paid the prescribed ~~cognization~~ *recognition* fee. This arrangement is to be in force till 1954.

University of Madras.

Of the four examination certificates mentioned by the D.P.I., the University

recognized the following permanently for purposes of admission to a higher course of study:--

- (i) The I.A.F. Matriculation Test.
- (ii) The R.I.N. Higher Education Test.
- (iii) The final passing out Examination of the I.M.M.T.S. (Dufferin).

The University has recognized the following as equivalent to Matriculation:--

- (i) R.I.N. Higher Education Test.
- (ii) The Final passing out Examination of the I.M.M.T.S. "Dufferin".

The other two certificates cannot be recognized.

Andhra University.

It will be seen that while the Annamalai University has recognized ALL the certificates referred to by the D.P.I., as equivalent to Matriculation for purposes of admission to University courses, the Madras Univ. has recognized only three of them, that is, all except item (i) in para 1 above. The Andhra Univ. however, has found it possible to recognize only the two Navy Certificates, but not the two Air Force ones. We are not concerned with the decisions of the respective Universities in regard to these certificates. It will be sufficient to inform the D.P.I. of the practices obtaining under the three Universities, as above summarized, *So far as his permission concerned.*

3. As regards the point whether the holders of the four certificates can be admitted to Secondary Grade Training Courses, it may be observed that under M.E.R. 104, ~~and the orders and issued thereunder~~ matriculates and S.S.I.C's are ~~eligible~~ *are eligible* for admission for Secondary Training courses. It may be that one or two of these certificates are not recognized as equivalent by the Madras or Andhra University. That, however, is for ~~the~~ admission to Univ. courses. So far as Secondary Training courses are concerned the standard of general education obtained thro' all these certificates may be considered *to be* adequate and the Govt. may *perhaps* declare the holders of all

all the four certificates eligible for admission to these ^{Training} Courses especially as the Annamalai Univ. has deemed all of them to be equivalent to Matriculation examination.

4. H.M.(E.&L.) may see with reference to the suggestions in paras 2 and 3 above.

VS
28/1/50
LWS
28.1.50

n
1-2-50

A.S.I. / S
2/2/50

Thro' C Section
31/1/50

may declare all the four ~~reference~~ Defence Forces certificates as entitling to admission to Training course

H.N. (E & L)

2
2

Why not we say "Subject to the Hd master of the Training School being satisfied that they can be admitted are fit to be admitted. Consider. H.N. (E & L)"

under rule 114 of the Madras Edl. Rules the selection of candidates for admission into training schools for masters shall rest with the S.O. and of those with mistresses with discretion of the circle.

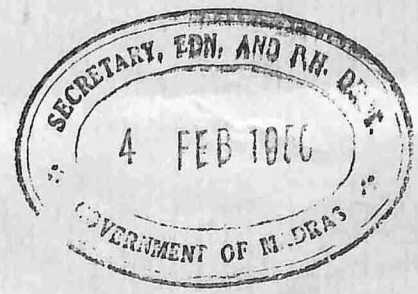
p26, 13004
No 157

4/2/50 S

the provs. does not appear necessary

H.N. (E & L)

4
2



Please see the orders in circulation on p 4 ante. A draft order is subd. for approval.

VS
7/2/50
LWS
7.2.50

n
8/2/50

A.S.I.
9/2/50

Issued as No. 413 Edn of - 9(2/50).

3
B-44(10)

Please see the enclosed in minutes
of the meeting. A draft order is
being prepared for approval.

Stamp

29/1/48
11/1/48
J. S. P.

-) 24.12.47. on 24.12.47. at 11.30 AM
[Signature]

(5)

PROSPECTUS
OF
THE INDIAN MERCHANT
NAVY TRAINING SHIP
"DUFFERIN"
BOMBAY



BOMBAY HARBOUR

PUBLISHED UNDER THE ORDERS OF THE
GOVERNMENT OF INDIA IN THE MINISTRY OF COMMERCE.
1948.

Price Re 1.

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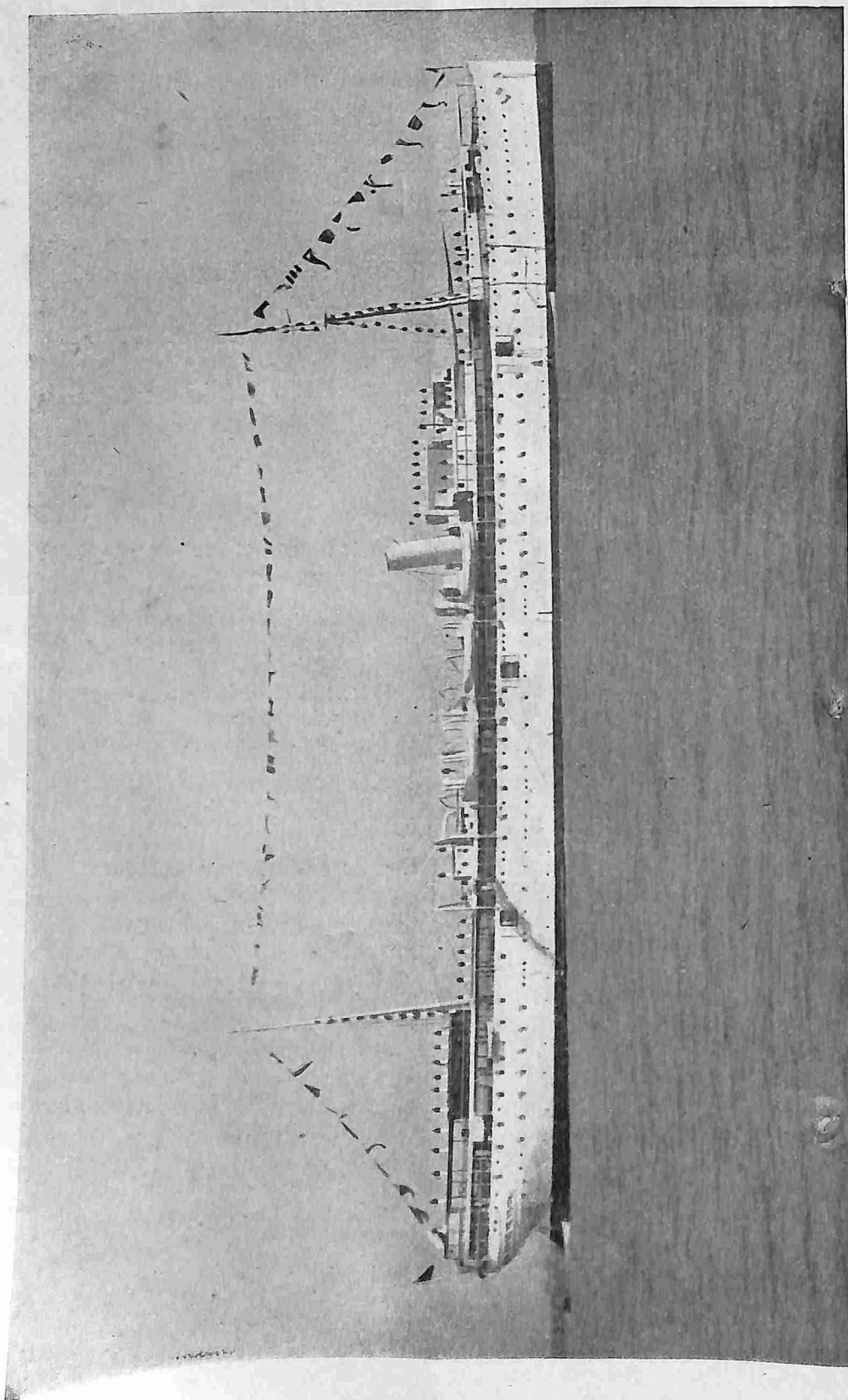
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I. M. N. T. S. "Dufferin" — Cadets Manning Ship

(53)

INDIAN MERCHANT NAVY TRAINING SHIP "DUFFERIN"
(GOVERNMENT OF INDIA, MINISTRY OF COMMERCE).

Governing Body.

Chairman.

The Honourable Mr. K. C. NEOGY, Minister for Commerce (*ex-officio*).

Members.

M. A. MASTER, Esq., B.A., LL.B., (Indian Merchants' Chamber).
 WALCHAND HIRACHAND, Esq., C.I.E. (Indian Shipping).
 J. C. SETALVAD, Esq., (Bombay Port Trust).
 A. D. FINNEY, Esq., M.A., J.P., (British Shipping).
 D. C. PAVATE, Esq., M.A. (Cantab.), Director of Public Instruction,
 Bombay Province (*ex-officio*).
 J. L. P. ROCHE-VICTORIA, Esq., M.L.C. (Madras).
 P. V. KANE, Esq., M.A., LL.M., Vice-Chancellor, University of Bombay, (Bombay
 University) (*ex-officio*).
 DR. J. A. COLLACO, L.M. & S., J. P.
 PANDIT GOVIND MALAVIYA, M.C.A., Pro-Vice Chancellor, Benares Hindu University
 (Non Maritime Provinces).
 HOSHANG N. E. DINSHAW, Esq., (Indian Shipping).
 SURE D. N. MUKHERJEE, M.L.A., (West Bengal).

Secretary.

Captain M. F. S. C. HARVEY, R.D., M.N., J.P. (*ex-officio*).

Staff.

Captain Superintendent.—Captain M.F.S.C., HARVEY, R.D., M.N., J.P.

Vocational.

Executive.

Chief Officer.—

Mr. R. J. SAMPSON,
Master Mariner

Second Officer.—

Mr. P. ALEXANDER,
Master Mariner

Third Officer.—

Mr. D. G. HAZARI,
Master Mariner

Engineering.

Chief Engineer Officer.—

Mr. J. S. H. STEVENSON, Extra Chief
Engineer (B. O. T.), Motor En-
dorsement; M.I. Mar. E.

Second Engineer Officer.—

(vacant)

Medical.

Medical Officer.—Assistant Surgeon E. WILKINSON, I.M.D.

Honorary Dental Surgeon.—Dr. S. M. KHAMBATTA, D.D.S., F.A.C.D., J.P.

Honorary Ophthalmic Surgeon.—Dr. H. D. DASTOOR, M.B.B.S., D.O. (Oxon.), D.O.M.S. (Eng.), F.C.P.S.

Office.

Accountant.—

Mr. P. J. DE SOUZA-LOUZADO, B.A.

Head Clerk.—

Mr. M. M. PHILIP.

Captain's Secretary.—

Mr. M. C. PINTO (Offg.)

Scholastic.

Assistant Masters.—

Mr. C. R. PINTO, B.A., B.T.

Mr. V. S. KHALAP, M.Sc., B.T.

Mr. A. T. ANTONISWAMI, M.A., L.T.

Mr. K. V. SASTRY, M.A., B.Ed.

Mr. P. N. VERMA, M.Sc.

Mr. Edward Mendonca, B. A.,

Mr. B. R. Dikshit, B.A., S.T.C.

Instructor.

Boxing Instructor.—Mr. RUSSI ENGINEER.

Prospectus.

1. *Aims and objects of the "Dufferin."*—To obtain suitable candidates from the Dominion of India and Indian States within the Dominion of India for the Indian Merchant Navy and to train these in such a way that they may with confidence be expected to follow the sea as a career, and be fit in all respects to hold their own as good and efficient executive officers.

To attain this result, it is necessary:—

(i) To bring each cadet up to a professional standard which will enable him to continue his own education at sea and so eventually to pass the Government Examinations for Certificates of Competency as Masters and Mates in the Merchant Navy.

(ii) To give all cadets a training to fit them to take their place as Officers and face with fortitude and endurance the hardships inseparable from life at sea, such an end to be attained by the actual life on board the Ship, by manual work, by strict discipline and by causing them, as far as possible, to take responsibility in minor matters whilst yet boys.

(iii) To give all cadets a social training which will enable them to move in confidence in any society without embarrassment either to themselves or to others.

(iv) Through the supervision and example of a carefully selected staff, to imbue all cadets with a sense of loyalty, patriotism, manliness, devotion to duty and self-sacrificing spirit of service, together with a healthiness of mind and body such as will render them true and useful servants and citizens of India.

2. **Discipline.**—Very strict discipline is maintained on board the Ship as the mind of every cadet must be imbued with the idea that the sea is an arduous life, involving great responsibilities, and is devoid of many of the comforts and amenities of a life on shore. This idea must be cheerfully accepted by the cadets if they are to become efficient and capable sea officers. Cadets will be required to live in the

Training Ship, and will be subject to the discipline of the Ship's Officers and of the teaching Staff.

3. **Qualifications necessary for an Executive Officer in the Mercantile Marine.**—

(i) To qualify as an Executive Officer, it is necessary to obtain certificates of competency under the regulations in force in India relating to the examinations of Masters and Mates in the Mercantile Marine. Certificates for foreign-going steamships are granted to Second Mates at the minimum age of 20 after a minimum sea service of four years in foreign-going ships or six years in home-trade ships.

(ii) After passing for Second Mate, it is necessary to serve a further period at sea as an officer in order to pass for Mate and then for Master. The examination for Master may be taken at the minimum age of 23 years after a minimum sea service of 7 years in foreign-going ships or 10½ years in home-trade ships. Certain portions of such sea service must be as "officer-in-charge" of a watch in accordance with the detailed rules in force.

(iii) On obtaining a Master's certificate, an Officer is qualified to take command of a vessel in the Mercantile Marine. Examinations for certificates of competency are held at the larger sea ports in the United Kingdom, and at Bombay and Calcutta in India.

(iv) The possession of a Passing Out Certificate of the Training Ship "Dufferin" will be recognized by the Board of Trade as equivalent to one year's sea service, thus reducing the preliminary time at sea, prior to being able to sit for the first certificate of competency, from four to three years. At the same time the training in the "Dufferin" ensures a first class education, a grounding in the theoretical side of the profession, and a sea sense which will assist the cadet in his professional career at sea.

4. **Service as an Apprentice after leaving the "Dufferin."**—The three years at sea are spent in learning the practical side of his profession.

5. **Pay and Prospects of an Executive Officer in the Mercantile Marine.**—(i) Most Shipping Companies require a premium prior to signing an Indenture for three years' apprenticeship. Such a premium may amount to any sum ranging from Rs. 500 to Rs. 700 and in some cases is refunded on satisfactory completion of the period of apprenticeship. Cost of uniform and equipment necessary prior to going to sea approximates Rs. 500.

(ii) During the apprenticeship, the cadets receive free board and lodging in their ships, and in many companies they receive pay as well. Such pay varies from about Rs. 90 to Rs. 150 *per mensem* depending on the service the apprentice has had and the rules of the particular company.

(iii) After completing apprenticeship, and obtaining a Second Mate's certificate, the pay of an Officer at the present time is approximately Rs. 475 *per mensem* as a Junior Officer just joining a Shipping Company, steadily rising step by step as he receives promotion through the ranks of fourth, third and second Mate and finally Chief Officer. The pay of a Senior Chief Officer may be written down as between Rs. 740 to Rs. 850 *per mensem* according to the class of certificate held, and it may take anywhere between six and in some cases 15 years before attaining the rank of Chief Officer. When command is attained, the pay is better and varies according to the length of service, class of ship, and rules of the particular Shipping Company.

(iv) The usual pay of a Master is between Rs. 970 and Rs. 1746 *per mensem* and it takes in most cases between 15 and 20 years to attain command.

(v) The Salaries shown in this paragraph are those paid at present. In addition to these rates, free boarding and lodging are provided at sea or an allowance in lieu when ashore.

(vi) Most Companies have pension rules; the others, a provident fund.

(vii) In addition to the usual appointments as Ship's Officers there are appointments under the various Port Trusts and Port Commissioners in India which are open to those qualified for a Mercantile Career. For appointments as Pilots and Harbour Masters at Bombay, and Madras, and also as Harbour Masters at Calcutta, sea-faring experience is necessary.

(viii) Appointments to the Hoogly River Survey are now made direct from "Dufferin" Cadets.

(ix) There are also posts of Port Officers in minor Ports open to those with Masters' certificates for foreign-going ships.

6. Facilities for Apprenticeship and Employment at Sea.

(i) The Government of India have arranged with the principal Shipping companies operating on the coasts of India and to the East to grant facilities to "Dufferin" Cadets to proceed to sea as apprentices as vacancies occur. Many of these have also agreed to accept as Officers in their Companies, such apprentices who have passed through the "Dufferin," completed their apprenticeship at sea with satisfaction, and obtained the necessary certificates of competency.

(ii) Engagement of apprentices and the employment of Officers in after life is, however, dependent on many factors, such as conditions of trade, number of vacancies and the rules and regulations of each individual company.

7. Education.—Cadets on admission to the Dufferin will have passed the Matriculation or an examination of similar standard of a recognised University. So it may be assumed that they have already obtained a reasonably sound general education. The scholastic instruction in the training ship will follow on from this standard and will be in the main as is required to assist the cadets in their vocational studies. The subjects covered on the academic side will consist of English, Geography, Arithmetic, Algebra, Geometry, Trigonometry, Science, and Mechanics. On the vocational side cadets will receive instruction in Navigation, Nautical Astronomy, Meteorology, Seamanship, Signals and Elementary Engineering and Naval Architecture.

8. Duration of Course.—(i) The full course in the Training Ship lasts 2 years. Each year is divided into 2 terms. First Term February 1st to June 7th; Second Term September 1st to December 30th. The actual dates of the commencement and completion of each term are liable to slight alteration, depending on the day of the week.

(ii) Form and Classes. The first year cadets will be known as the Junior Form while the second year cadets will be known as the Senior Form. Each Form will consist of three classes.

(iii) Cadets found to be very backward in class either through laziness, inaptitude or due to lengthy absence on medical grounds may, at the discretion of the Captain Superintendent, be required to remain an extra year in that class but in no case will the total period of training be reduced to less than two years. Should a parent not agree to bear the cost of the training for the extra year, the cadet may be withdrawn from the Ship.

9. Term Reports.—Will be forwarded to parents at the end of each Term.

10. Holidays.—(i) The Summer Vacation is from 7th June to 31st August.

(ii) The Winter Vacation from 30th December to 31st January.

(iii) Cadets will not be allowed to remain in the Training Ship during the Summer and Winter vacations, and parents must make their own arrangements for the journey to and from Bombay.

11. Fees.—(i) The fees are Rs. 50 per mensem, payable in advance for each term.

(ii) The first term's fees payable before the 1st February, amount to Rs. 212; the second term's fees payable before 1st September, amount to Rs. 200.

(iii) These fees include board, lodging, tuition, and medical attendance as* below.

(a) Any sickness or injury treated by the Ship's Medical Officer on board will be free of hospital costs.

(b) When, in case of necessity or emergency, cadets in their own interest are sent ashore for hospital treatment, the charges levied by the hospitals will be made to the extent of Rs. 1—10 per day by Government during term time only; any balance exceeding that amount will be borne by the parents or guardians.

(c) Full hospital charges will be levied on Parents or Guardians should a cadet be detained in hospital during vacation time.

(d) The balance of charges under paragraph (2) usually amount to Rs. 1-6-0 per day at present.

(e) The full charges under paragraph (3) at present amount to Rs. 3 per day.

(f) If, during term time, any cadet is absent for a period of 30 consecutive days or more, due to illness or injury which is caused through no fault of his own, and for the treatment of which Government bears no expense, a refund, on account of boarding charges only, will be granted at the rate of Re. 1 (Rupee one) per day. In the case of cadets holding Government of India Scholarships, the amount of refund will be at the rate of annas eight per day instead of Re. 1 per day.

12. Extras.—(i) Parents are required to forward to the Captain Superintendent at the commencement of each term, on receipt of an account, a sum calculated at the rate of Rs. 20 per month. This charge is for cadets' necessary personal expenses, e.g.,

Pocket money at the rate of Re. 1 per week.

Laundry at Rs. 9 per month (approximately).

Use of text books and stationery at Rs. 3 per month.

Hair Cuts at As. Ten per month.

(ii) Urgent necessary expenditure will be met and charged to the parents in the account but the parents will be informed of the amount and asked to remit the amount immediately. (See also footnotes on Appendix VIII—Cadets Equipment).

(iii) There is no objection to a Cadet receiving extra pocket money in moderation, but in such cases it is advisable that the money be sent direct to the Captain Superintendent, who will credit it to the Cadet's account and issue it to the Cadet at his discretion. Parents are requested not to send any money direct to their sons. It must be sent through the Captain Superintendent. Local guardians should be informed of this request.

13. Concession on Railways.—(i) Cadets in the "Dufferin" have been granted the concession of being able to travel 1st class on payment of 2nd class fare, or 2nd class on payment of half second class fare, on production of a certificate signed by the Captain Superintendent, when travelling to and from their homes and the Ship at the end and beginning of the terms.

(ii) This concession is available only to Cadets actually in training, and is no applicable to candidates journeying to and from Bombay for interviews.

*The amount payable by parent initially on selection of candidate for training amounts to Rs. 800, viz., Fees Rs. 212 Extras Rs. 80, Uniform and cost of Technical Books Rs. 508 approximately.

(iii) This concession has been granted in all Railways except :—

- (1) Darjeeling-Himalayan.
- (2) Dehri-Rohtas Light.
- (3) Gondal.
- (4) Macleod Coy.'s Light.
- (5) Udaipur-Chitorgarh.

14. **Remittances.**—(i) Parents and guardians are requested to send remittances as far as possible, by crossed cheques made payable to the **Captain Superintendent, I. M. N. T. S. "Dufferin"**.

(ii) When money is sent in Currency Notes, *the cover should be invariably insured and registered.* A letter stating the object for which the amount is sent must accompany all remittances.

(iii) When money is sent by Money Order great care must be taken to insert the Cadet's name, his number, and the purpose for which the money is sent in the **small communication coupon** at the bottom of the Money Order form. All other matters, not connected with the amount, must be communicated in a separate letter.

(iv) The Cadet's Name and Number must invariably be stated in all communications.

15. **Uniform.**—(i) Cadets on joining the Training Ship must be supplied with the equipment as laid down in Appendix VIII.

(ii) The list is not exhaustive and is issued as a guide. It represents the minimum uniform, clothes, and equipment necessary.

(iii) All clothes and kit must be legibly marked with the number of the cadet.

(iv) In the interest of the parents and to secure uniformity, those articles in Lists A and B of Appendix VIII will be provided by the Ship's authorities at the parent's expense to the Cadet on joining.

(v) Cadets will be obliged to wear uniform throughout the term.

(vi) Parents or guardians will be charged the cost of the uniform supplied.

(vii) A deposit of Rs. 430 will be charged in advance to cover the cost of equipment *vide* Lists A and B of Appendix VIII.

(viii) Parents are expected to see that a Cadet is provided with the minimum equipment. If during the Cadet's period of training, he is short of equipment, the Captain Superintendent reserves the right of purchasing the same through the Ship's Contractors on behalf of the Cadet. All articles supplied by the Ship's Contractors are inspected before issue to the Cadet.

16. **Diet.**—All Cadets in the Training Ship will be required to be members of a joint mess similar to those in ships in the Mercantile Marine. The dietary is on a liberal scale. Vegetarian diet is provided for vegetarians, but all food is cooked by the Ship's Cooks and partaken of in a common mess, no deviation from this rule being permitted except in the case of sickness. Parents are informed that the Ship's diet has been carefully balanced, and they are requested not to send any eatables or sweetmeats to Cadets on board. Local guardians should be informed of this request.

17. **Sickness.**—The "Dufferin" is equipped with a hospital and an isolation ward, and there is a resident Assistant Surgeon on board. In case of illness, the parents or guardians will be informed at once by telegram, should the Cadet be otherwise than temporarily indisposed. Cases of illness which cannot be adequately treated on board will be sent to Hospitals ashore. [See paragraph 11(iii) for charges].



Cadet Captains



March Past

18. Religious Observances.—The Cadets fall in separately according to their different denominations for prayer, twice a day; Muslims being allowed to say their own prayers at their own special times. Time is also given to various denominations for their own religious instructions.

19. Physical Instruction and Games.—(i) Great attention is paid to physical drill which is practised every morning under competent instructors. Playing fields are provided ashore, which the Cadets visit at least four times a week, hockey, football and other team games being taught and played. Deck games such as Deck cricket, tennis, and hockey are also encouraged.

(ii) All Cadets are taught boxing under competent supervision.

(iii) A gymnasium and indoor recreation rooms are provided.

20. Library.—The Ship possesses a well equipped library for the benefit of Cadets. The books cover a wide range of subjects and provide suitable reading matter for boys of fifteen to nineteen, whose tastes and interests vary considerably.

21. Workshop.—The Training Ship is equipped with a Machine Shop and Fitting Shop, Forge, Carpenter's Shop, etc. Electric power is supplied by Semi-Diesel Generators and Pneumatic Power from a Diesel Driven Air Compressor. The "Dufferin" main and auxiliary engines and boilers are *in situ* and although not used for propulsion purposes are available for demonstration to Cadets.

22. (i) Visitors and Shore Leave.—(i) Parents, guardians and personal friends of the Cadets may visit them on board on one Sunday every month. A launch will leave Mazgaon Pier at 3-00 P.M. and the Ship at 5-00 P.M. for the convenience of the visitors.

(ii) Transport between the Ship and Mazgaon Pier is provided; but the Ship's authorities are in no way responsible or liable for any loss, damage or injury to the Cadets' parents, guardians, friends or visitors coming on board. They visit the Ship at their own risk.

(iii) Children under 7 (seven) years of age will not be allowed on board.

(iv) On another Sunday of each month, Cadets may visit their parents or guardians or any friend in Bombay *regarding whom the Captain Superintendent has been notified*. Cadets will land at Mazgaon Pier at about 9-30 A.M. on these days and must return to the Pier as previously notified.

(v) Cadets must wear uniform when ashore.

(vi) When ashore, Cadets are on their honour not to visit any places or friends not approved of by their parents or guardians or by the friends of the parents in Bombay.

(vii) Any abuse of shore leave by the Cadet, or late arrival of the Cadet at the Pier when returning from leave, will be severely dealt with.

23. Notice to Leave.—A term's notice shall be given to the Captain Superintendent of the intention to withdraw the Cadet, or in lieu a full term's fees will be charged.

24. Correspondence.—(i) All correspondence should be addressed to the Captain Superintendent, and not by name.

The registered address of the Ship is—

I. M. N. T. S. "Dufferin,"

Mazgaon Pier,

Bombay, 10.

TELEGRAMS :

"Dufferin, Bombay."

(ii) As the Ship is lying $1\frac{1}{2}$ nautical miles from the Pier and as bunder boats are not easily obtainable, parents from up-country coming to Bombay on a visit are advised to communicate with the Captain Superintendent beforehand.

25. Canteen.—A canteen is provided in the Ship for the use of Cadets, where soft drinks, note paper, boot polish, pencils, chocolates, sweets and other sundries are sold at reasonable prices.

26. Method of Entry.*—(i) Eligibility for admission. Candidates must be subjects of the Dominion of India (including the acceding Indian States) whose parents are domiciled in India.

(ii) *Age limits.*—Candidates must be between the ages of 15 years and 17 years on 1st July of the year immediately preceding the year of entry into the "Dufferin." No candidate who has passed his 17th Birthday¹ on that date will be admitted.

(iii) *Necessary Qualifications*—Candidates will be required to pass a qualifying examination in Arithmetic, Algebra, Geometry, Elementary Trigonometry, English, Geography and General Knowledge, conducted in English and set on the syllabus of a standard of Matriculation, *vide* Appendix VI. This examination will be held about the 20th of November simultaneously at Bombay, Delhi, Lucknow, Patna, Calcutta, Madras, and Nagpur subject to a sufficient number of applicants at each centre. Candidates who pass the qualifying examination will be required to come to Bombay at their own expense for an interview with the Selection Board, and to undergo an Eye-Sight Test² for vision and colour blindness and also a Medical Examination. These tests and the selection will ordinarily take place about the 30th of January. The compulsory Eye-Sight Test by Government does not in any way relieve the parents and guardians of their obligation to have the eyes of their candidates thoroughly tested by a qualified Ophthalmic Surgeon. Appendix V gives the standards of Eye-Sight Tests.

(iv) The total number of entries in each year is limited to 80 Cadets,³ for preliminary training as officers of the Mercantile Marine.

(v) The Governing Body retain the right of determining the number of qualified candidates who shall come to Bombay for selection. To avoid disappointment parents should arrange to have their boys medically examined and their eye-sight tested prior to entering them for the qualifying examination. Certificates of fitness from a Government medical officer, not below the rank of an Assistant Surgeon must accompany their application. Such certificates will in no way entitle the applicant to exemption from the further medical examination or eye-sight test in Bombay. Neither the Governing Body nor the Government of India will be responsible or liable for any expenses or losses, whatsoever, incurred by the parents and guardians of the candidates invited to come to Bombay for interview and selection, irrespective of their final admission or otherwise.

* NOTE.—Any attempt on the part of a candidate (or his parent or guardian) to enlist support for his application will disqualify him for admission to the Training Ship.

¹ The first anniversary of the date of birth is the 1st birthday. Therefore the 17th anniversary of the date of birth is the 17th birthday, *i.e.*, the day on which the applicant completes 17 years of age.

² Eye-sight.—The attention of all parents and guardians is invited to Appendix V on the question of the Eye-Sight Test for the Executive Cadets. Candidates who pass the Qualifying Examination and are invited to come to Bombay for interview and live near Bombay, Calcutta or Madras, are strongly advised to apply for an official Eye-Sight Test to the Principal Officer, Mercantile Marine Department of the respective Port. The fee for this test is Rs. 2.

³ Only 60 cadets will be admitted in February 1949.

27. Application for Entry.—(i) The application must be made on the perforated form (Appendix IX) and must be posted to—

The Secretary to the Governing Body,

I. M. N. T. S. "Dufferin,"

Mazgaon Pier, Bombay 10.

together with a Government currency Note of Rs. 10 (examination fee which will not be refunded), so as to reach that Officer not later than the 25th October.

(ii) The fact that an application form or prospectus has been supplied, on whatever date, will not be accepted as an excuse for the late submission of an application with all the necessary certificates. Candidates who delay to obtain the prospectus and the application form until a late date will do so at their own risk.

(iii) The following certificates in original must accompany the application form:—

(1) **Date of birth certificate** in original or other satisfactory evidence of date of birth. (Horoscopes and extracts from Birth Registers in vernacular must be accompanied by an English rendering of its contents with the dates shown in terms of the Christian era duly countersigned by a Justice of the Peace or a District Magistrate. Certified extracts from School records showing the actual date of birth are also accepted).

(2) **The Matriculation Certificate** or the certificate of an examination of a recognised University of a standard not lower than the Matriculation, with **Mathematics**.

(3) **Medical certificate** in original, including certificate for eye-sight, by a Government medical officer not below the rank of Assistant Surgeon.

(4) **Certificates of good character** in original from two respectable persons (other than relations of the applicant.)

(5) **A certificate** as given on the application form that they and their parents are domiciled in India. (Signed by a Justice of the Peace or a Magistrate).

(iv) The Secretary to the Governing Body will, on receipt of such application, inform the parents or guardians of the time and date of the Qualifying Examination, and will forward a pass which the applicant must produce to the Officer conducting the examination. Parents may expect the result of the examination in early January. Candidates who qualify at the Examination will be interviewed in Bombay about the 28th of January. Selected candidates join the Ship about 1st February.

(v) Candidates admitted to the Training Ship will be required to submit their **Transfer or Leaving Certificates** from the last School or Institution attended by them duly signed by the Principal or the Head Master of the School concerned within one month from the date of their admission, and pending the satisfactory receipt of such certificate, the admission of the candidate will be treated as provisional.

28. Scholarships.—(i) A list of Scholarships for which "Dufferin" Cadets are eligible, together with particulars will be found under Appendix I.

(ii) Applications for Scholarships awarded by Private or Public Bodies, should be made to the donors preferably through the Captain Superintendent. Applications for all Scholarships other than those of the Governments of India, and

Provincial Governments and the Fakeerjee Cowasjee of Karachi's Scholarship, will only be considered after the candidates have been admitted to the Training Ship, and in no way affect the conditions of entry or the responsibility of the parents for fees, etc..

(iii) The fact that a scholarship is granted to a Cadet does not absolve the parents or guardians from the responsibility of paying :—

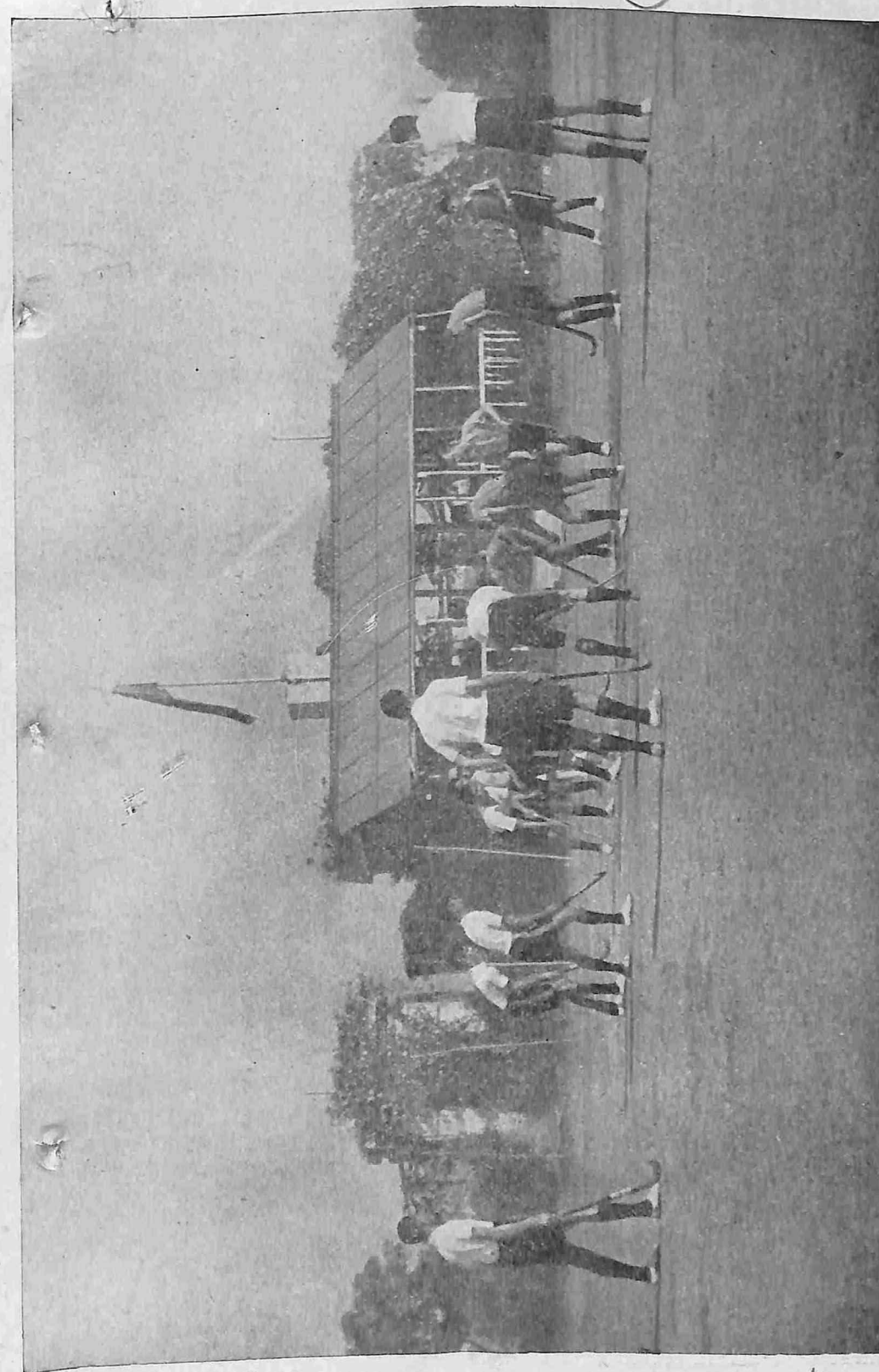
(a) in the case of the Government of India Scholarships, the balance of fees and extras.

(b) in the case of all other Scholarships except the Fakeerjee Cowasjee of Karachi's Scholarship, the full fees and extras

to Government in advance, as they fall due, at the beginning of each term.

(iv) All bills for Scholarships, except those granted by the Government of India, the Provincial Governments and the Fakeerjee Cowasjee of Karachi's Scholarship, must be prepared by the Parent or Guardians and sent, in duplicate or triplicate as necessary, to the Ship for countersignature.

(v) No bills on Scholarship Donors can be accepted as payment of the Ship's Bills.



A corner of the Playing Fields



Football Eleven

APPENDIX I.

TABLE OF "DUFFERIN" SCHOLARSHIPS :

Serial No.	Name.	No.	Eligibility.	Rate of payment per month (approximate).	Method of application.	Last date of application.
1.	Govt. of India	6	all	Rs. 1. Available at Entry. 25/- (for eight months).	Special form available with the Secretary Governing Body.	1st. December
2.	Govt. of Bengal	3	Natives of Bengal	25/- (for twelve months).	Ditto.	Ditto.
3.	Govt. of the United Provinces.	3	Domicile in the United Provinces. Preference in the case of one of the stipends to a cadet from the Scheduled Castes.	25/- (for twelve months).	Ditto.	Ditto.
4.	Govt. of Bombay	3	Domicile in Bombay Province.	25/- (for twelve months).	Ditto.	Ditto.
5.	Govt. of Central Provinces & Berar.	2	Domicile in O.P. & Berar.	25/- (for twelve months).	Ditto.	Ditto.
6.	Govt. of Assam	1	Native or Domicile in Assam.	65/- (for twelve months)	Ditto.	Ditto.
7.	Govt. of Orissa	2	Native or Domicile in Orissa.	under consideration.	Ditto.	Ditto.

APPENDIX I—contd.

TABLE OF "DUFFERIN" SCHOLARSHIPS:

Serial No.	Name.	No.	Eligibility.	Rate of payment per month (approximate).	Method of application.	Last date of application.
8.	Scindia No. 1 (Sheth Narottam Morarjee)	1	The cadet who stands first in the preliminary Exam. at the end of the first term.	25/- (for eight months).		
9.	Scindia No. 3	1	All	25/- (for eight months)	By letter.	A date in the first term fixed by the Capt. Superintendent.
10.	Karachi Port Trust	2	(a) Sons of Karachi Port Trust employee (b) Domicile in Sind, preferably Sindhis.	30/- (for twelve months)	Ditto.	Ditto.
11.	Karachi Municipal Corporation.	1	Domicile in Karachi.	30/- (for twelve months)	By letter.	A date in the first term fixed by the Capt. Superintendent.
12.	University of Madras.	1	Domicile in territory under the jurisdiction of the Madras University.	40/- (for twelve months)	Special form available with the Registrar of the University.	15th February of the year of entry.
13.	Rangoon Port Commissioners.	3	Burma Cadets.	30/- (for twelve months)	Automatic on selection.	
14.	Fakirjee Cowasjee of Karachi's Scholarship	1	Parsee Zoroastrians preference in the following order: (a) Boys belonging to Sind, including Karachi. (b) Boys belonging to Bombay Province. (c) Boys belonging to any other part of India.	50/- (approx.) (for twelve months)	Special form available with the Secy., Governing Body.	30th November prior to entry.

APPENDIX I—contd.

TABLE OF "DUFFERIN" SCHOLARSHIPS:

Serial No.	Name.	No.	Eligibility.	Rate of payment per month (approximate).	Method of application.	Last date of application.
15.	G.I.P. Railway Staff Benefit Fund.	2	Children of G.I.P. Rly. Employees.	40/- (for eight months)	By letter, enquiries to be made direct to the Chairman of the Fund. Hqrs. Committee, Agent's Office, G.I.P. Rly., V.T., Bombay.	1st February year of entry.
16.	Sir Dorabjee Tata Trust	1	All.	50/- (for twelve months).	By letter.	Ditto.
17.	Scindia No. 2	1	All	50/- (for eight months)	By letter.	A date to be fixed by the Captain Superintendent.
18.	Mogul Line.	1	All	50/- (for eight months)	By letter.	Ditto.
19.	Bombay Port Trust	2	IV. AVAILABLE ON COMPLETION OF DUFFERIN TRAINING. Cadets who have obtained an "Extra First Class Certificate ('First Class') in the case of son or dependent of Port Trust Employee or ex-employee). Ditto.	30/- (for twelve months)		To be awarded by Special Committee from panel put up by Captain Superintendent.
20.	Madras Port Trust	1	Navy Class cadets, Cadets who stand First and Second in the special R.I.N. Exam. for the "Dufferin."	40/- (for twelve months)	Ditto.	Preference to cadets from Madras Presidency.
21.	Govt. of India R.I.N. Scholarships	2		£ 116/-		

Note.—The question of increasing the number of Scholarship is at present receiving consideration of the Government of India.

APPENDIX II.

PRIZES.

SPECIAL AWARDS.

The Governor General's Gold Medal.

His Excellency the Governor General has been graciously pleased to grant a Gold Medal to Cadets of the "Dufferin". The medal is awarded to the Cadet who shows the qualities likely to make the finest sailor;

"these consist of cheerful submission to superiors, self-respect and independence of character, kindness and protection to the weak, readiness to forgive offences, desire to conciliate the differences of others, and above all fearless devotion to duty and unflinching truthfulness."

Regulations for award are.—The Medal will be open to Cadets who have been three terms on board the Ship and have received not less than half the total number of marks at the previous Term Examination. The Captain Superintendent, after conferring with the Staff, shall select not less than three nor more than five of the Cadets whom he considers to possess the qualities for which the prize is given. He shall then announce these names to the Cadets who have been assembled for the purpose and each Cadet who has been on board six months previous to the time of selection shall vote for one of the Cadets so nominated.

The Cadet who obtains the highest number of votes shall receive the Medal.

The Governing Body Prize.

Presented annually by the Governing Body to the Cadet who stands second in competition for His Excellency the Governor General's Gold Medal.

The Chairman's Prize.

Presented by the Honourable Minister for Commerce, and Chairman of the Governing Body, to the Cadet obtaining the highest marks in vocational subjects.

The Sawyer Prize.

Presented annually to the most efficient Cadet-Captain.

The Digby-Beste Silver Medal.

Presented by Captain Sir Henry Digby-Beste, C.I.E., O.B.E., R.N., for General Proficiency.

The President, "Dufferin" Old Cadets Association, Prize.

Presented by the President, "Dufferin" Old Cadets Association, for the best all round Cadet-Captain obtaining a First Class Certificate.

English Essay Prizes.

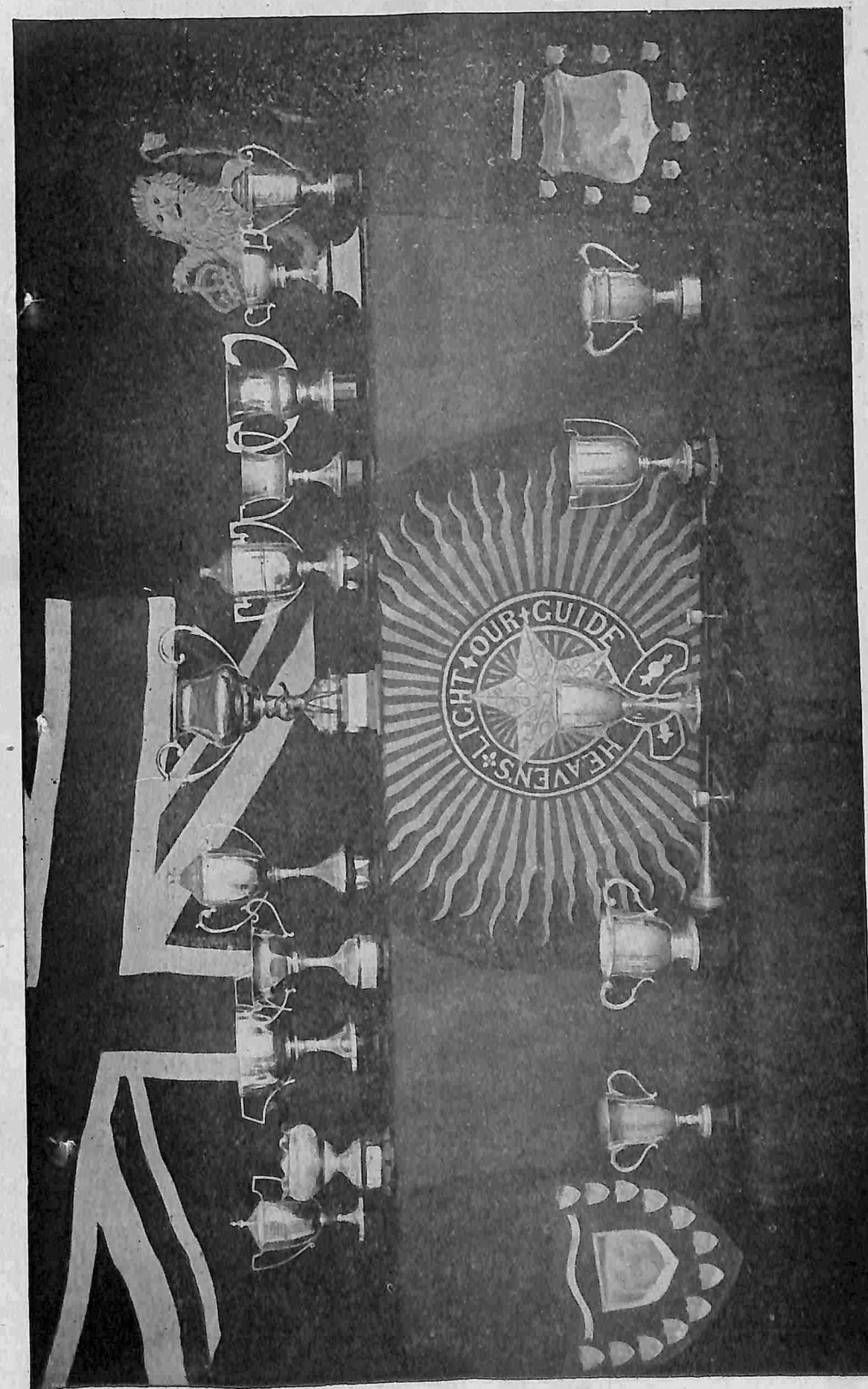
Presented by the Oxford University Press (Indian Branch). Open to all Cadets.

Captain McClement's Prize.

A cup presented by the late Captain R. C. G. McClement, R. I. N. for the best all-round Cadet in vocational and deck activities.

Captain McConnell's Medal.

A Silver Medal presented annually by Captain R. A. H. McConnell, R. I. N. Retd.), late Captain Superintendent, "Dufferin," to the best all-round Cadet among the Juniors.



Ship's Trophies

(63)

The Scindia Steam Navigation Co., Ltd.

"Sheth Narottam Morarjee Scholarships."

Awarded to the Cadet who stands first in the Preliminary Examination.

The "D. O. C. A." Prizes.

Presented by the "Dufferin" Old Cadets Association to the Junior who passes first in Seamanship and Signals.

Signalling Prize.

For the best Signaller.

The British India Steam Navigation Company's Prize.

Presented by the Directors of the British Indian Steam Navigation Company for Seamanship.

The Meteorology Prize.

Presented by the Indian Meteorological Department to the Cadet who obtains the highest marks in a special Meteorology Essay and the Paper in Meteorology combined.

Marconi Prize.

Presented by the Marconi International Marine Communication Company, Ltd., for Morse and Knowledge of Direction Finding.

Messrs. Lawrence and Mayo Prize.

Presented by Messrs. Lawrence & Mayo, Ltd., for the best Navigation Paper.

Naval Architecture and Engineering.

Presented for the best paper in Elementary Engineering, provided the Cadet has shown practical aptitude in this subject.

Dr. Raja Reddiar Prize.

Presented by the late Dr. Raja S. Ramanatha Reddiar, LL.D., for Rule of the Road.

Class Prizes.

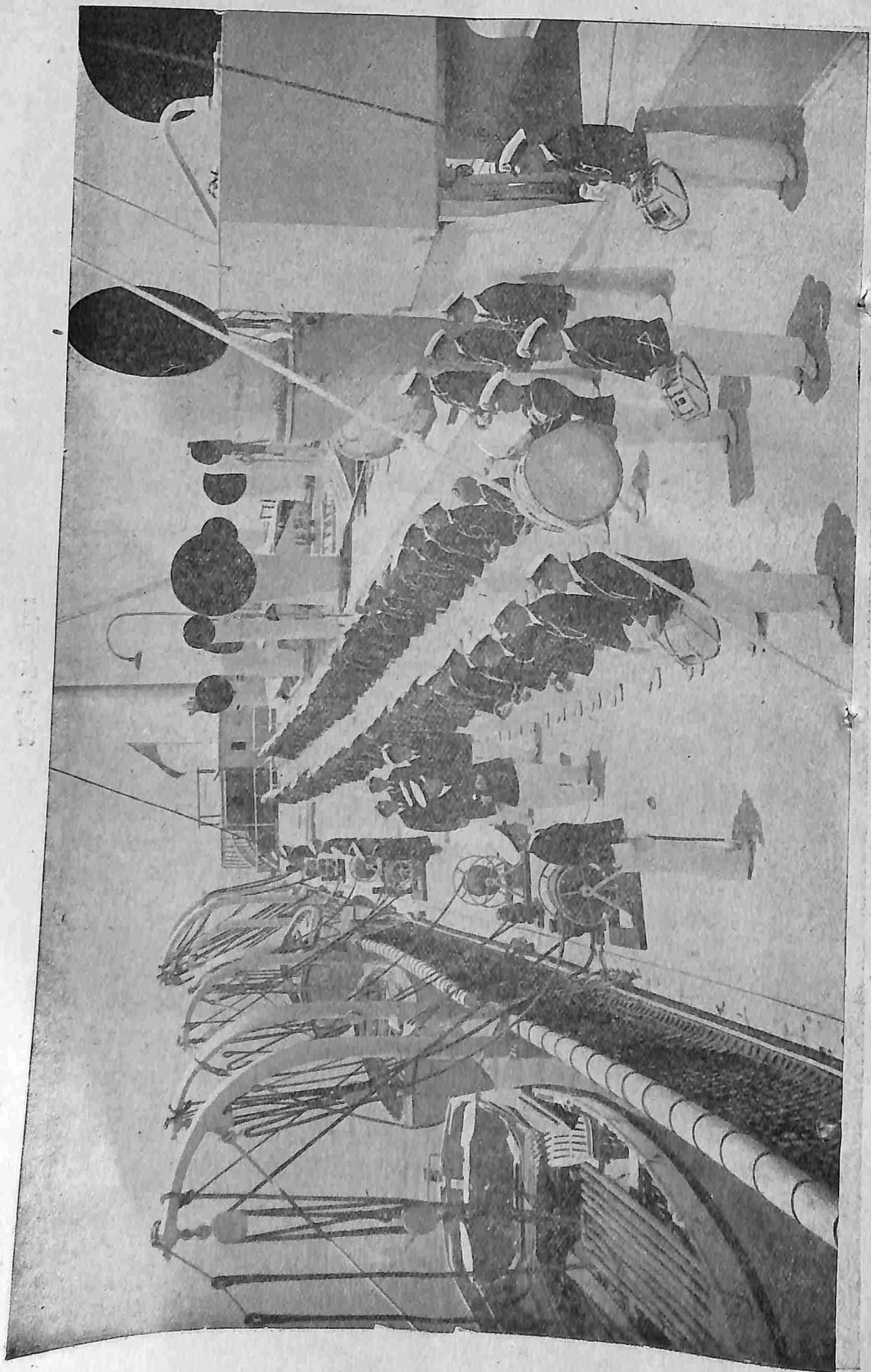
Four Prizes are given to each class as follows:—

- (i) First in all Subjects.
- (ii) Second in all Subjects.
- (iii) Mathematics and Trigonometry.
- (iv) Best Progress.

Competitions.

Many other trophies have been presented to the Ship for Boxing, Boat Racing, Signalling, Games, Athletic and Aquatic Sports.

Divisions



APPENDIX III VOCATIONAL CURRICULUM

Navigation Curriculum

FIRST TERM.

Definitions and explanations of the various terms used in Navigation. Mariner's Compass. Rhumb Line Sail.

Middle Latitude Sailing. Mercator's Chart.

Days Work. Celestial Sphere. Corrections of Altitudes. Latitude by Meridian Altitude. Solar Time. Conversion of Longitude from arc into time.

Position lines by Meridian Altitude and Longitude by Chronometer (sun); Side-real time; Star Longitude; Solar System; Amplitude.

Deviation by time azimuth. Position line by intercept and *ex-meridian* methods (sun and star) and Polaris. Latitude by meridian altitude of Moon. Finding time of star's transit. Simultaneous Altitudes. Double Altitude with run; Plotting position lines.

General revision; Use of Star Globe; Star Atlas and Pelorus; Artificial Horizon; Eclipse; Twilight.

Chartwork.

Abbreviations used on charts; use of parallel rulers; general chart reading; correction of courses.

Plotting courses and bearings. Correction of courses and bearings. Plotting day's work.

Construction of Mercator's Chart. System of Buoyage, Elementary Tides.

Conversion of True to Compass courses and bearings; Terrestrial Position Lines Running Fix; Doubling angle on bow.

Current Courses; Running fix with Current; Danger Angle; D/F Bearings; Station Pointers. Tides.

Chartwork.

Admiralty Method of Predicting Tides; Gnomonic Chart. Chart correcting and corrections of List of Lights.

Practical Navigation.

Parts of Sextant; Reading and adjusting Sextant.

Measuring angles with Sextant; Use of Azimuth Mirror.

Laying of bearings taken with Azimuth Mirror and vertical and horizontal Sextant Angles. Observations of the Sun and Stars for Latitude and Longitude. Chart-work afloat.

Seamanship.

Lectures.

Helm Orders; Types of Ships; Purchases; Strength of Rope; Steamship Masts and sails and derricks; Boat Sailing; Boat Construction and Equipment; Anchors and Cables; Deck Appliances and apparatus.

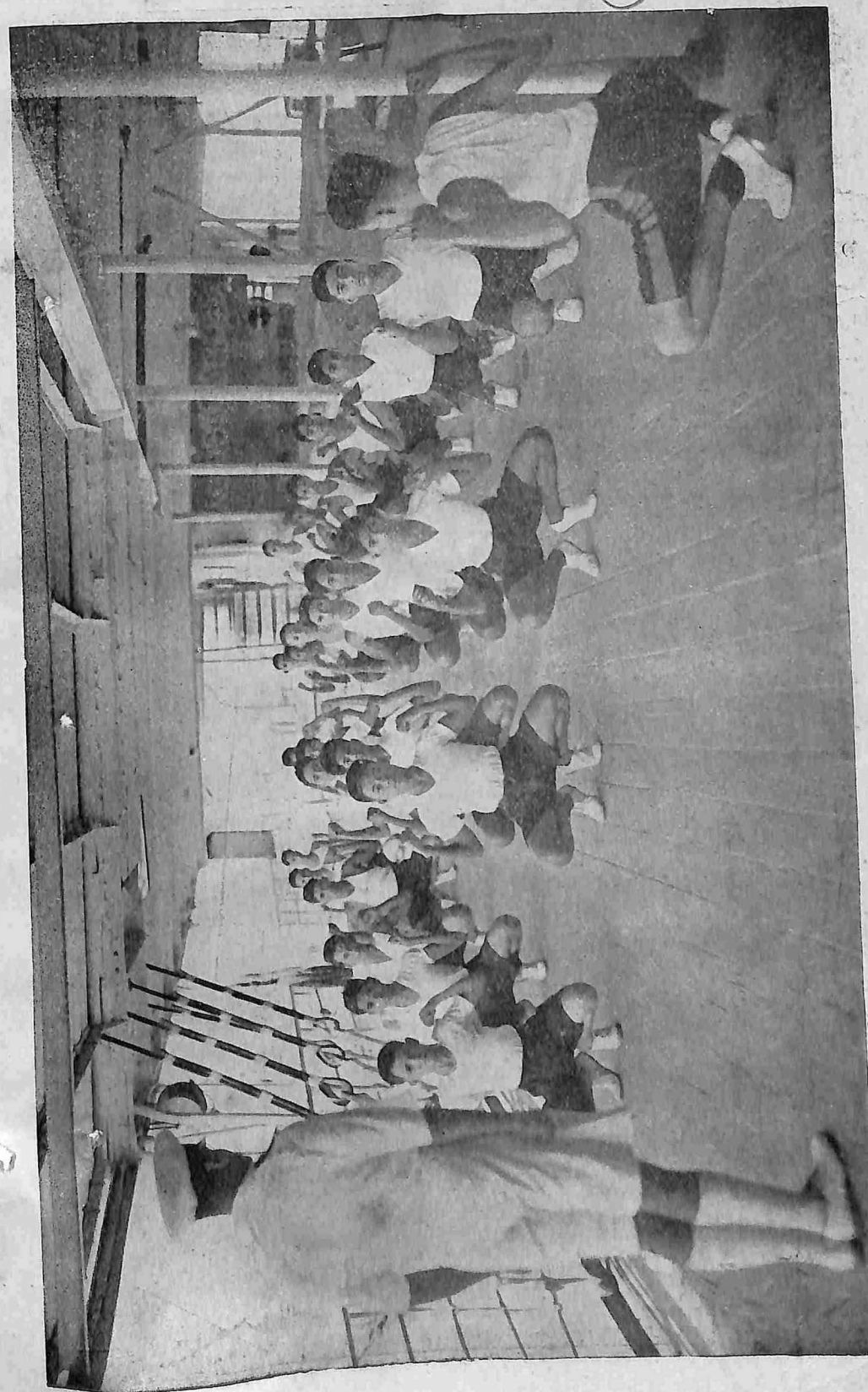
Ships' Lights; Rule of the Road; Notices to Mariners; Parallelogram of Forces as applied to strains of derricks; Action of rudder, etc.; Screw Race; Life saving apparatus; Load Lines; Mooring; Ship Handling; Cargo Gear.

Hydrostatics; Load Lines; Stowage and handling of cargo; Stability; Effects of loading; Trim; Revision.

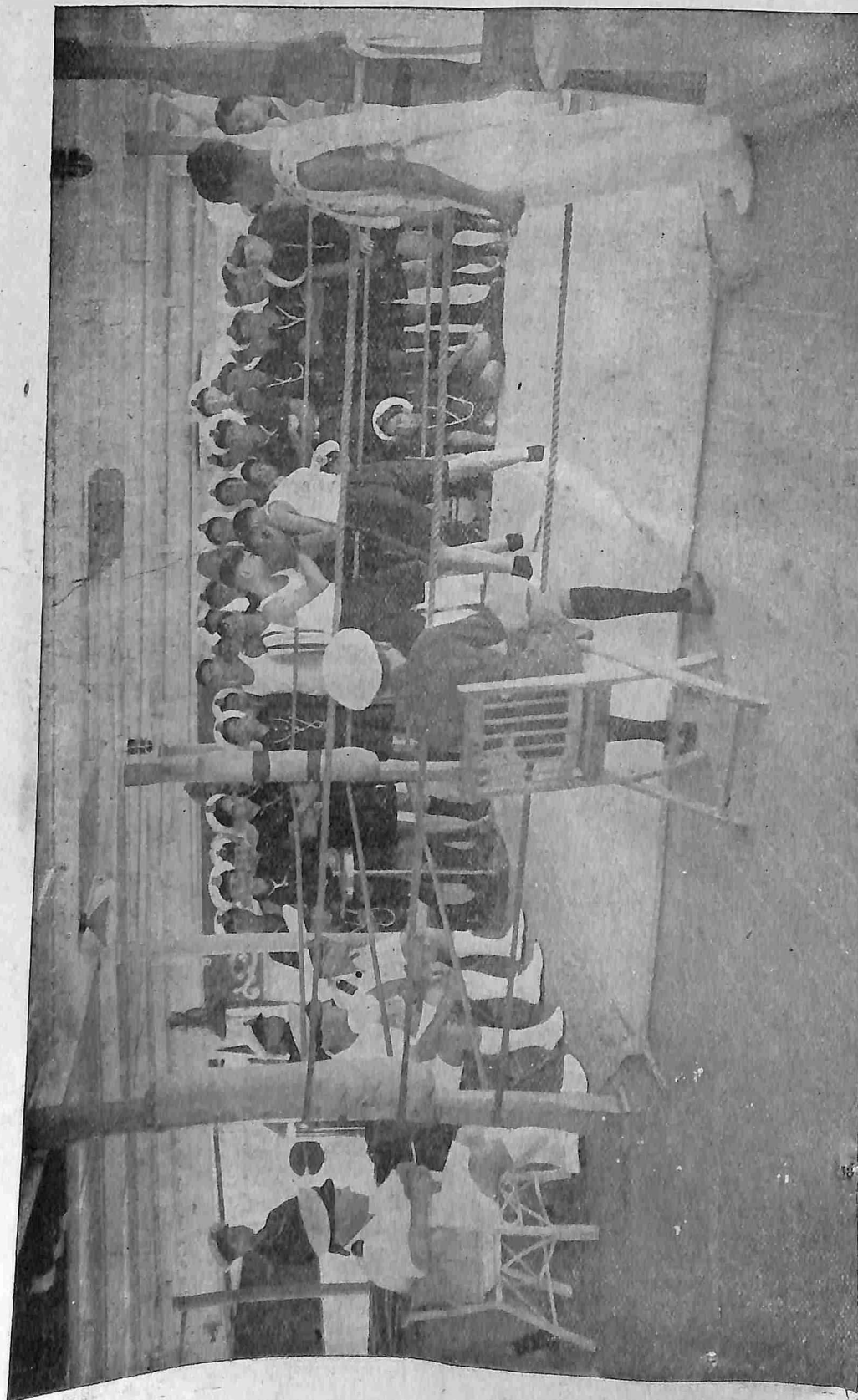
Practical Seamanship.

Boat Pulling; Knots and Splices; Canvas Sewing; Boxing the Compass; Signalling.

Boat Lowering; Handling Motor Boat; Signalling; Patent Sounding Machine; Revising Previous year's Manual.



Physical Training



Inter Top Boxing

Revise Compass ; Elementary Deviascope ; Boat Drill ; Sewing canvas and flags ; Making Boat Fenders ; Signalling ; Renewing boat falls ; Laying out Kedge anchor etc., etc.

Meteorology

The Atmosphere ; Instruments ; Pressure Distribution and Winds of the Earth Clouds ; Types of Isobars ; Wind and Weather Notation ; Law of Storms ; Ocean Currents ; Sea Ice ; Weather Charts.

Naval Architecture

Glossary of Terms ; Principal parts of a Ship ; Stresses and Strains ; Material used in ship building ; Various Types of keel frames, Beams and shell Plating ; Various types of Ships ; Propellers and propulsion of Ships.

Elementary Engineering

Construction and operation of propelling machinery ; Boilers ; Reciprocating and Turbine steam engines and auxiliaries ; Internal Combustion engines & Steering gear, etc.

First Aid for Senior Cadets.

A series of lectures covering the St. John Ambulance Course and some simple Physiology.

Routine.

0545 Call Chief Cadet Captain, Duty Quarter master, Bugler, and Messenger,
0600 Reveille. Make beds. Change in Gym. Shorts. Coffee.
0615 Fall-in. Prayers. Physical Training.
0620 Change into Boiler Suits.
0632 Fall-in. Clean ship.
0740 Bath and change.
0800 Colours. School.
0845 Breakfast.
0930 School
1055 Divisions.
1120 School.
1245 Dinner
1300 Issue Library Books.
1330 School.
1450 Stand Easy.
1500 School.
1610 Tea and biscuits. Change for Evening activities.
1625 Fall-in. Land for games and commence other activities. Swimming on Fridays.
1810 Watch on board bath and change into half-whites.
1845 Games party returns.
1910 Evening Quarters.
1915 Supper. Stand easy.
1940 Signal Class. (On Wednesdays, Film or lecture).
2015 First Post.
2045 Fall-in. Prayers. Cadets turn in.
2100 Reports by Senior Cadets Captains. Rounds.
2115 Last Post. Chief Cadet Captain to report all hands turned in.
Saturday.—No School work. The Ship is cleaned by the Cadets.
Sunday.—Divisions and Captain's Inspection at 1000.
Every Sunday each Cadet must write home during the course of the day.

NOTE:—

On religious holidays, facilities as granted to Cadets to land for their religious duties as necessary.

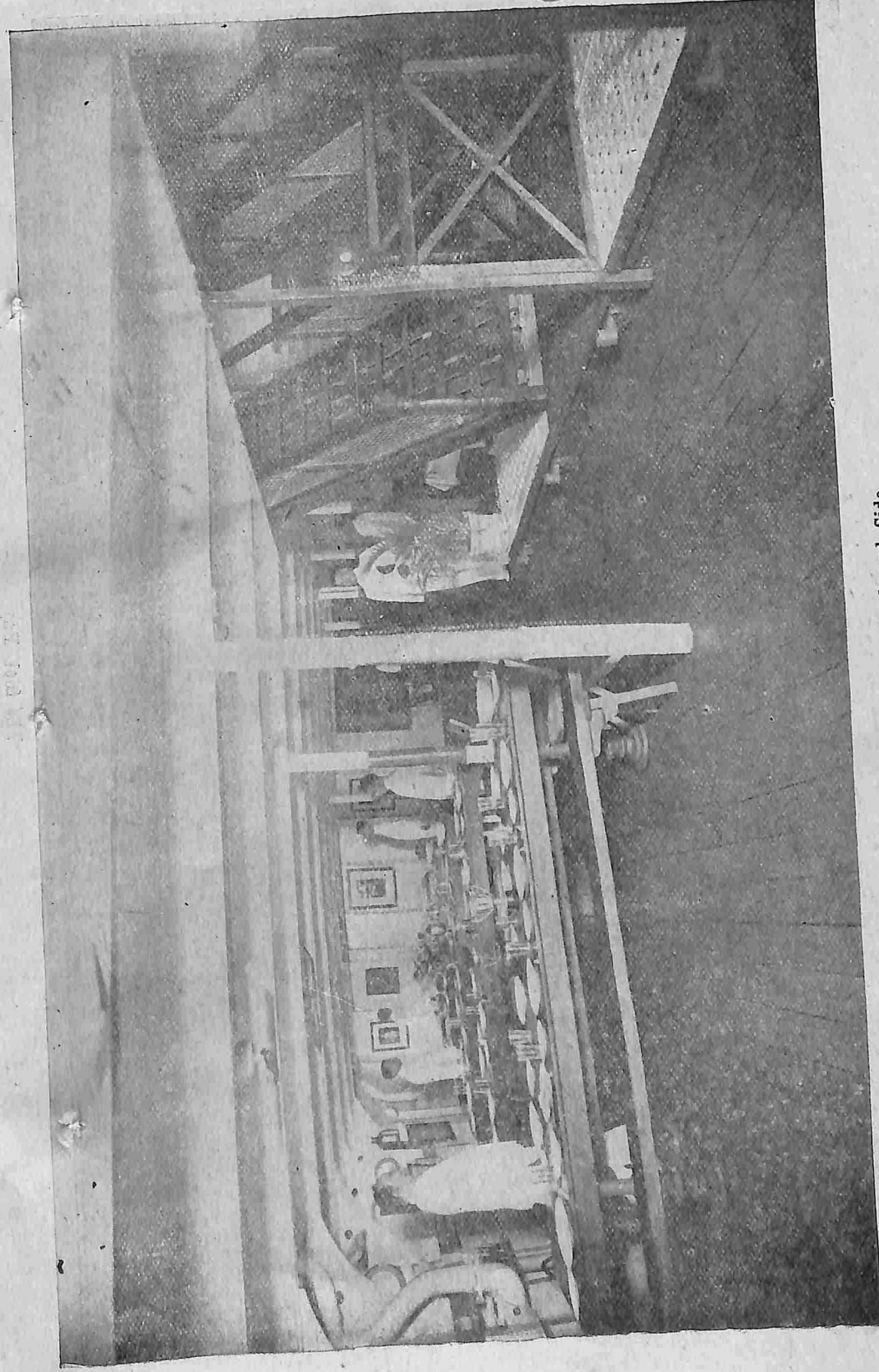
Boat Routine.—From Mazgaon Pier to Ship ; 0700 ; 0855 ; 1230 ; 1700 ; 2030.
From Ship to Mazgaon Pier, 0630 ; 0825 ; 1200 ; 1630 ; 2000.

APPENDIX IV.

SPECIMEN MENU (VARIED FROM DAY TO DAY).

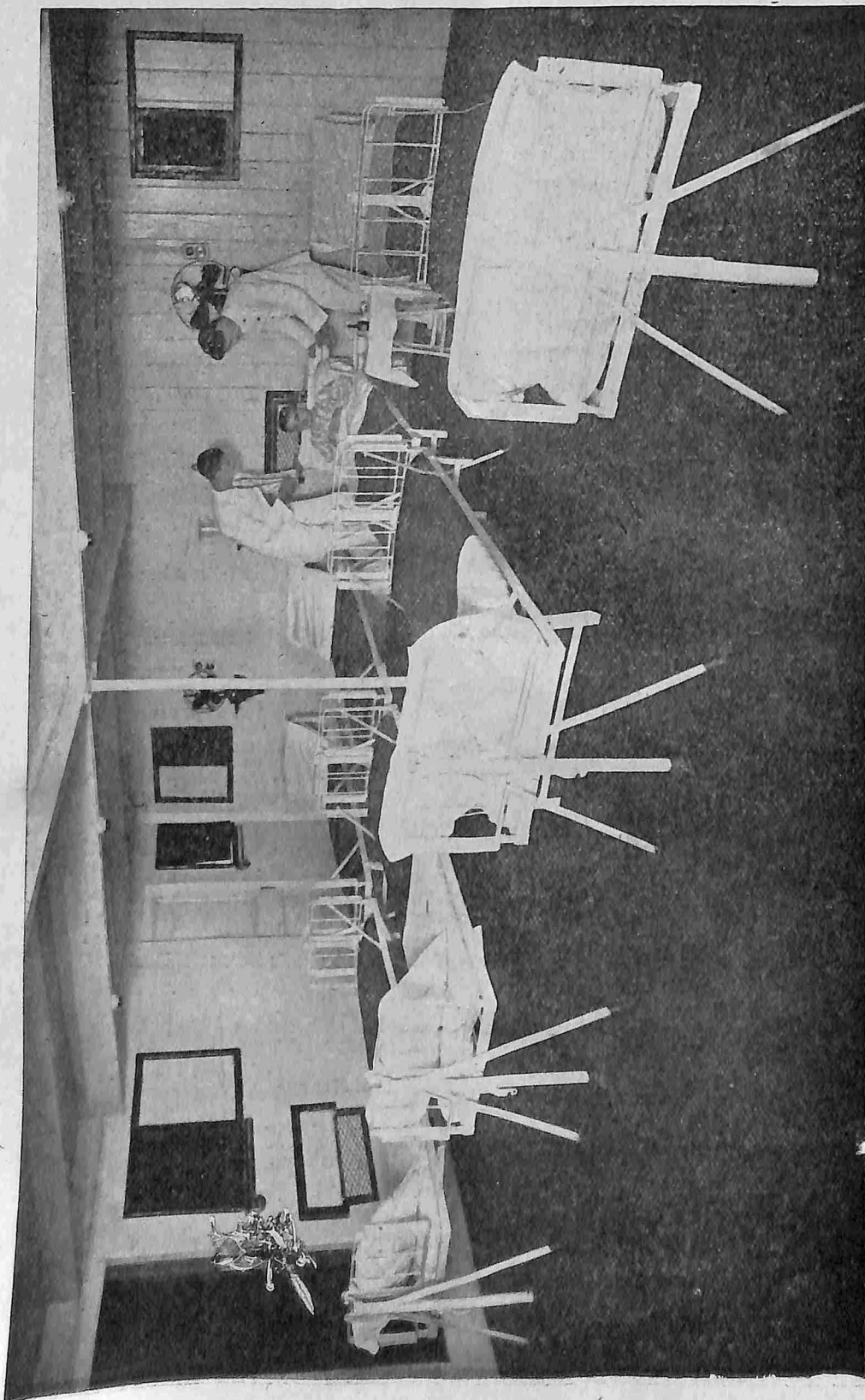
MONDAY.	TUESDAY.	WEDNESDAY.	THURSDAY.	FRIDAY.	SATURDAY.	SUNDAY.
CHOTA HAZRI— 06-10	Coffee daily.					
08-45 BREAKFAST— Porridge *Dhall Pan Cakes. Bread and Butter. Fresh Fruit, Tea	Fish Cakes. *Potato Baji. Bread and Butter. Fresh Fruit, Tea.	Omelette. *Dhall and Potatoes. Fresh Fruits, Tea.	Macaroni *Dhosa and Dhall Bread and Butter. Tea.	Spanish Eggs. *Cocoanut Rice. Bread and Butter. Fresh Fruit, Tea.	Mutton Sandwiches. *Tomato Sandwiches and Cake. Fresh Fruit, Tea.	Scrambled Eggs. *Dhall and Potatoes Bread and Butter. Fresh Fruit, Tea.
12-45 DINNER— Rice and mutton mould and Ve- getable. Pie. *Vegetable Pie. Blancmange with Jam.	Cottage Pie. *Vegetable Pie. Bread and Butter. Pudding.	Mutton Pulao. *Vegetable Pulao. Queen's Pudding.	Scotch Pie. *Botata Vara Ice Cream and Nuts.	Fish Cakes and Vegetable. *Vegetable Usal Almond Pudding.	Madras Curry and Rice. *Vegetable Curry and Rice. Fruit Salad.	Boiled leg of Mutton and Caper Sauce Vegetable. *Curry Puffs. Vermicelli pudding.
16-10 Biscuits and Tea daily						
19-20 SUPPER— Fried Breast of mutton with macaroni. *Vatana Usal Biscuits, Chapati and Butter. Jam.	Hotch Potch Soup. Mutton Cutlets and Vegetable. *Dhall Cutlets. Biscuit, Chapati and Butter. Treacle.	Dhall Soup. Croquettes and Vegetable. *Vegetable Patties. Biscuit, Chapati and Butter. Marmalade.	Lisbon Soup. Devilled Mutton and Vegetable. *Vegetable Kubab. Biscuit, Chapati and Butter. Treacle.	Vegetable Soup. Mutton Chilly Fry and Vegetable. *Vegetable Moulie. Biscuit, Chapati and Butter. Jam.	Onion Soup. Frangi Pani and Vegetable. *Purries. Biscuit, Chapati and Butter. Treacle.	Jardiniere Soup. Scotch Mince and Vegetable. *Dhall Cutlets. Biscuit, Chapati and Butter. Jam.
AT SUPPER	Fresh	Milk	6 oz.	daily.		

* Denotes Vegetarian food,



Cadets' Messroom—Starboard Side

66



The Sick Bay

APPENDIX V.

IMPORTANT.

EYE-SIGHT.

The attention of Parents and Guardians of Candidates for the Executive Cadetships to the "Dufferin" is invited to page 8 of the *Prospectus* regarding Medical Fitness and Eye-sight.

"In after life every candidate for a certificate of competency is required to have normal vision (Snellen's Standard) using both eyes or, at candidate's option, either eye separately. It is important that every person who contemplates for entry to the "Dufferin" for training should realise that ability to reach this standard at the time of examination does not guarantee that he will be able to pass when he is ready to go to sea and again when he presents himself for his professional examinations in later years or, that he will be able to maintain the necessary standard of visual acuteness throughout his working life.

A large number of persons have eyes that, though they are quite healthy, are not optically correct owing to the presence of some error of refraction. The commonest of such errors of refraction is called **hypermetropia**. In youth hypermetropia is often latent, and does not prevent the person from seeing perfectly at a long distance; but in middle life and later it becomes manifest and glasses are needed for clear vision of distant objects. The age at which this defect becomes manifest depends upon the degrees of hypermetropia, and this varies widely in different persons. Hypermetropia, and errors of refraction can be efficiently estimated only by those who have been properly trained in the examination of the eye.

A serious falling off of visual acuteness for distance, in after life, is incompatible with the continuance of efficiency at sea. In order, therefore, to guard the possibility of entering a profession for which after a few years he may prove to be physically unfit it is very desirable that every boy before coming for training should undergo a thorough examination of his eyesight by an ophthalmic surgeon. By this means he will be able to ascertain what, if any, degree of hypermetropia or other imperfection of the eyes he has and what is the probability of his being able to maintain the necessary degree of visual acuteness throughout his working life."

2. Parents and Guardians, in the boy's own interest, should have the eyesight of the boy thoroughly examined. If he is successful and comes to Bombay for selection, he has to undergo the Snellen's Test and one for colour Vision but the passing of such test is no guarantee that his eye-sight is such as to remain good in after life.

3. To avoid disappointment, candidates living within reach of Bombay, Calcutta and Madras are advised to apply to the Principal Officer, Mercantile Marine Department, of the Port concerned for examination before coming to Bombay for selection.

EXTRACT OF REGULATION REGARDING EYE-SIGHT TEST.

I.—Letter Tests.

1. *Letter test to be passed first.* The first test which the candidate is required to undergo is the letter test and until he has passed this test he must not be allowed to proceed further with the Examination.

2. *Apparatus used.*—The letter test to be used for all candidates is that conducted on Snellen's principle by means of sheets of letters.

3. *Object of the test.*—The object of the letter test is to determine whether the candidate can reach a sufficient standard of visual acuteness, or in other words to find out whether his eye-sight is good or bad.

4. *Standard of vision required.*—Every candidate for a first class certificate of competency will be required to possess normal vision.

"Normal vision" is defined, for the purpose of these regulations, as ability to read correctly nine out of the twelve letters in the sixth line and eight of the fifteen letters in the seventh line of a test sheet placed in a good light at a distance of 16 feet from the eye.

The candidate will have to pass using either eye separately and both eyes together.

Squint or morbid condition of the eyes or eye-lids subject to the risk of aggravation or recurrence in either eye will cause rejection of the candidate.

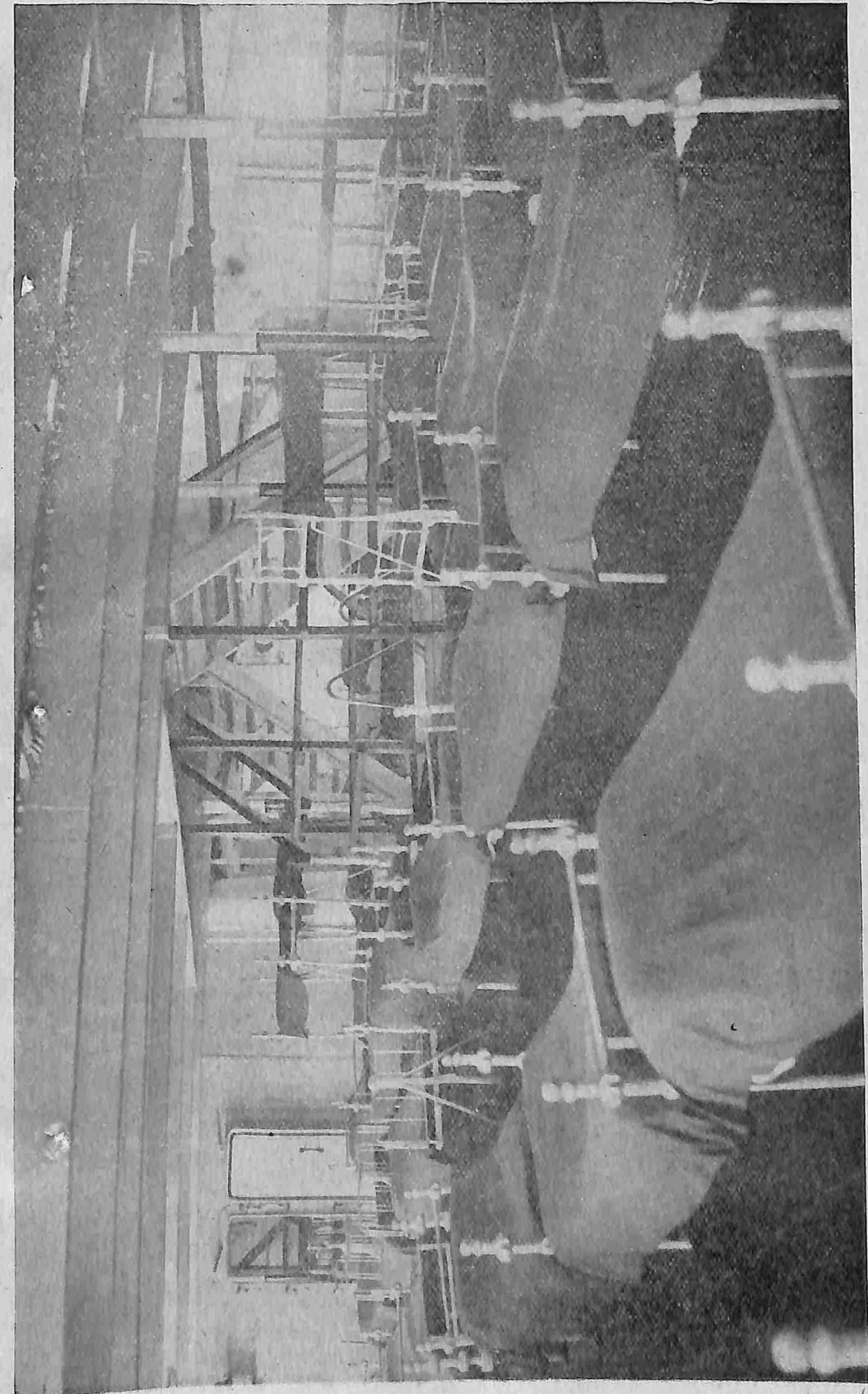
5. *Spectacles not allowed.* During the examination in the letter test, candidates must not be allowed to use spectacles or glasses of any kind, or any other artificial aid to vision.

6. *Method of testing.*—The test sheets should be hung on the wall, in a good light but not in direct sunlight, at a height of five or six feet from the ground. The candidate should be placed at a distance of exactly 16 feet, from the sheets, and exactly opposite them. This distance should be carefully measured, and should never in any circumstances be varied.

One of the sheets should then be exposed, and the candidate should be asked to read the letters on each sheet, beginning at the top and going downwards. Any mistake which he makes should be carefully noted. If then it is found that he has read correctly at least nine letters in the sixth line and eight letters in the seventh line of a sheet the candidate may be considered to have normal vision.

Note 1.—Candidates are also examined for colour blindness and this examination is held by means of a lantern showing red, green and white (with large small apertures) in a dark room.

Candidates must clearly distinguish between red, green and white.



Sleeping Flats
(Beds are covered with green counterpanes)

APPENDIX VI.

SYLLABUS FOR THE QUALIFYING EXAMINATION FOR ADMISSION
TO THE I.M.N.T.S. "DUFFERIN."

ENGLISH

One Paper (three Hours)—100 Marks.

The paper in English will contain questions on composition including essay-writing, letter-writing, precis-writing, paraphrase of passages in prose or verse. There will also be questions on syntax, the sequence of Tenses, Direct and Indirect forms of narration, the proper use of prepositions, synthesis and analysis of sentences, punctuation and figures of speech. Candidates will be required to explain easy idiomatic combination of words and phrases, used in general conversation, excluding slang and obscure provincialism. Questions on composition will carry 60 per cent. of the marks.

GEOGRAPHY

*One Paper (Two Hours)—75 Marks.**General Geography.*

The Earth as a heavenly body (omitting detailed astronomical study); its shape and size; rotation and revolution; longitude; Local Time and Indian Standard time; day and night; latitude; the seasons; zones of the earth.

General relief of the surface of the earth; land and water forms; Denudation and Deposition.

Climate: factors determining temperature and its variations; isotherms; atmospheric pressure and winds; distribution of rainfall.

Major natural regions of the world, including vegetable and animal life.

Interaction of man and his environment; the effect of natural environment on man, his life and activities, and the change effected by man in his natural surroundings to suit his needs.

Principal vegetable and animal products. Minerals. Chief occupations and industries of the people of the world. Important towns and cities of the regions.

Trade routes by land, sea and air.

The Indian Empire, the study to include:

Natural divisions; the character of the coast and the position of plains, plateaus, high lands, mountains, river systems and lakes, as affecting the density of population, the occupations and settlements of the people, the growth of towns and ports and the lines of communication.

Climate and its influence on natural products and the life and habits of the people.

Natural resources; principal vegetable and animal products; minerals, principal industries.

Chief exports and imports; countries of origin and destination. Trade routes by land, sea and air.

Political divisions and chief cities.

Note.—Candidates should be able to draw on outline map of the Indian Empire and to insert therein the details studied. Wherever necessary, they should draw simple sketch maps as an integral part of their answers.

Hockey Eleven



MATHEMATICS

Arithmetic.—(One Paper) Two Hours—50 Marks.

Simple and Compound rules, vulgar and decimal fractions, including simple idea of recurring decimals, proportion, metric system, simple problems and direct exchange, simple and Compound interest, present worth and discount, Profit and loss, square root, Time, work and speed, relative velocity; Mensurations Areas of a triangle, a parallelogram and a circle, volumes and surfaces of a rectangular solid, a cone, a cylinder and a sphere. Use of four figure logarithmic tables in multiplication and division. Statistical graphs, and graphical solution of easy problems on Time and Distance. Stocks and shares.

Algebra.—(One Paper)—Two Hours—50 Marks.

Indices, simple equations, easy factors, simple fractions, simultaneous equations of the first degree in two unknowns (with numerical co-efficients) easy numerical quadratic equations (by factorisation, and by the use of a formula), easy problems leading to the above types of equations; H.C.F., L.C.M. and square root (simple cases only); Graphs of straight lines, graphical solution of simultaneous equations, and quadratic equation. Ratio proportion and variation.

Note.—Questions of a complicated nature will not be set.

Geometry and Trigonometry.—(One paper) Two Hours—50 Marks.

Theorems and Problems from parts I, II, III, IV and V of Hall and Stevens, or the substance of those from any other text book on Geometry.

Trigonometry :—Definition of Sine, Cosine and Tangent of an acute angle; Solution of right-angled triangles and easy problems based on the same.

The proof of $\sin^2 A + \cos^2 A = 1$.

GENERAL KNOWLEDGE

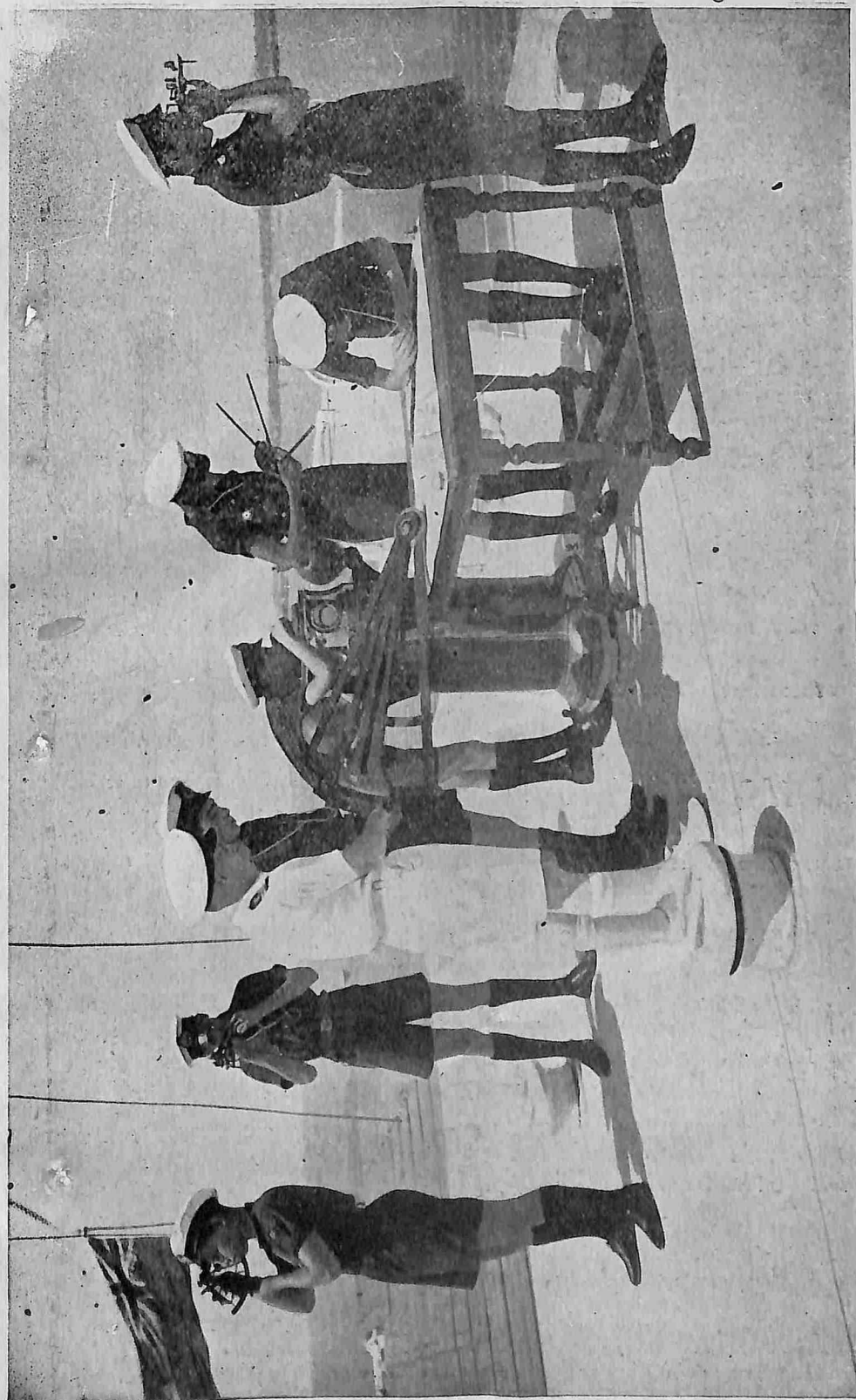
(One paper $1\frac{1}{2}$ Hours—75 Marks.)

A paper will be set which an average boy of 15-17 years of age who has read for himself and kept himself regularly informed of the current news of the world, should have no difficulty in answering.

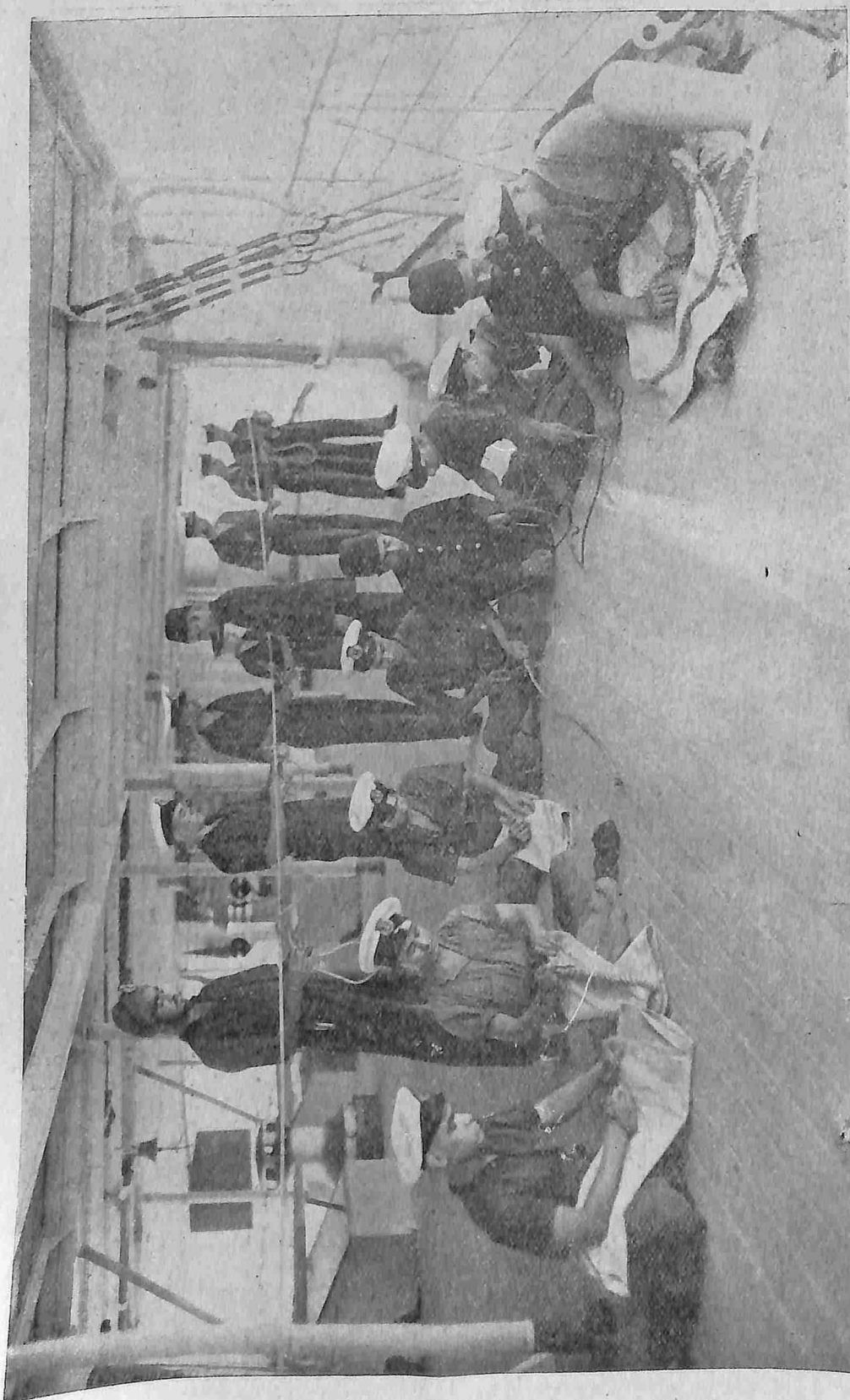
NOTE 1.—General Knowledge cannot be acquired from a Text Book, and no such book can be recommended. Candidates should keep their eyes and ears open, make themselves acquainted with current world-wide events as reported in the Press, and develop their intelligence; as would be sailors they should cultivate such elementary knowledge of the sea as can be obtained from Newspaper advertisements and story books of adventure.

NOTE 2.—Qualifying Examination Papers. Specimen Question Papers are given in Appendix VII. Question Papers for the Examinations of previous years are not available.

NOTE 3.—All answers are to be written in English.



A Navigation Class



Seamanship Manual



APPENDIX VII.

SPECIMEN QUESTION PAPERS FOR THE QUALIFYING EXAMINATION
PRIOR TO ADMISSION TO THE I. M. N. T. S. "DUFFERIN".

Wednesday 17th November 1948.

- | | |
|-------------------|-------------|
| 11 a.m. to 1 p.m. | Arithmetic. |
| 2 p.m. to 4 p.m. | Algebra. |

Thursday 18th November 1948.

- | | |
|-------------------|------------------------------------|
| 11 a.m. to 1 p.m. | Geometry & Elementary Trigonometry |
| 2 p.m. to 4 p.m. | Geography. |

Friday 19th November 1948.

- | | |
|---------------------|--------------------------------|
| 11 a.m. to 2 p.m. | English Composition & Grammar. |
| 3 p.m. to 4-30 p.m. | General Knowledge. |

Instructions to be noted and observed by the Candidates.

The candidate should mark only the Qualifying Examination Serial No. and Letter allotted to him on the top right-hand corner of each answer sheet or book, and on no account should the name of the candidate appear anywhere in the answers book. Any answer papers with the name of the candidate in it will be disqualified.

The candidates will be informed of their results either by telegram or by letter as early as possible, but not later than 15th January. Should any candidate not receive his result by that date he should communicate at once with the Secretary, Governing Body, I.M.N.T.S., "Dufferin," Mazgaon Pier, Bombay 10.

Candidates who attain the required standard in this Examination will be invited to come to Bombay, at their own expense, for the Medical Examination, Eye-sight Test, and interview and selection by the Governing Body. The place where, and the date on which they should report in Bombay for this purpose will be notified to them in the due course. It will be during the last week of January 1949.

The New Term opens on 1st February. 1949.

QUALIFYING EXAMINATION OF I.M.N.T.S. "DUFFERIN"

English Composition and Grammar

(Time 3 hours.)

(Maximum marks 100)

I Expand (not more than 200 words) any one of the following statements

- Young men see visions, old men dream dreams.
- Reading maketh a full man; conference a ready man; and writing an exact man.
- The poet is born, not made.
- In history there is, strictly speaking, no end and no beginning.

II (A) In the *fell clutch* of circumstance
I have not winced nor cried aloud;
Under the *bludgeonings* of chance
My head is bloody but unbowed.

- Explain the meaning of the words in italics in the above passage.
- What would you infer as to the past and future career of the writer
- What name would you give to four lines constructed as above.

(B) Define :—Verse, metre, sonnet, ballad.

III Express in not more than 30 words, the substance of the following passage :-

The first outcome of this new invasion of the roads was a storm of opposition, a persistent wail of complaint, from all who did not happen to use the new vehicles. It is amusing, at this point in the controversy, to look back at the abuse with which the poor bicyclist was received, for his presumption in daring to use the roads at all seeing that he was usually "not even a rate payer;" for his crime in being the cause of alarm to horse and to timid pedestrians; for the dust that he raised and the mud that he scattered; and for the recklessness of his excessive speed (of ten or twelve miles an hour). It is as recent as the close of the 19th century, but it is difficult, in the beginning of the 20th, to believe that it can ever have happened.

IV Construct an advertisement by a private gentleman stating that he has the Encyclopædia Britannica, 13th Edition, for sale; and forward it with a covering letter to a weekly periodical.

V (1) Write out the following proverbial sayings in full, and briefly explain their meaning as commonly used :—

- "It's an ill wind—"
- "—two in the bush."
- "You must not look—in the mouth."
- "To burn the candle—"
- "To strain at a gnat—"

(2) Construct sentences to show how the meaning of the following words may be changed by altering their pronunciation invalid, minute, entrance, refuse, import.

VI (A) Re-write the following with suitable arrangement and punctuation :—
Stop stop John Gilpin heres the house they all at once did cry the dinner waits and me are tired said Gilpin so am I.

(B) Turn the following passage into indirect speech (after "he said.")
"I believe that you are all ready to agree with me that there is no necessity for further delay; for my part, I cannot see why the matter should not be settled here and now."

(C) State the appropriate preposition required after *conscious*, *repugnant*, *inspire*, *substitute*, *intrude*, *averse*.

(D) Correct the following sentences giving reasons for your corrections :—

- Each of the Cadets carried their own boxes.
- These sort of rumours may do many harms.
- He promised that he will meet me to-morrow.
- Of the two vacations the summer vacation is the longest.
- No sooner we reached the gangway we were met by a Cadet.

(E) Combine the following detached statements into not more than *three* complex sentences :—

I was walking on a wild moor in Yorkshire. A tramp suddenly appeared. He begged, said he was "an honest tradesman off his job." I put two pence in his dirty palm.

He smiled bitterly. He remarked "That ain't no use to me!" I put them back in my pocket. Went on my way. I thought he might follow. Bad language alone pursued me.

GENERAL KNOWLEDGE

(Time 1½ Hours.)

(Maximum Marks—75).

*Note :—Answer question 4, 1 and any two.***I Who are the following :—**

1. Mr. Gopalaswami Ayyangar.
2. Dr. Rajendra Prasad.
3. Mir Laik Ali.
4. Mr. George Marshall.
5. Sir S. S. Bhatnagar.
6. Dr. John Matthai.
7. Sir C. V. Raman.
8. Mr. Lala Amarnath.
9. Mr. Ernest Bevin.
10. Mr. Ghulam Mohammed.

II. Give the names of the authors of the following books :—

1. Tom Sawyer.
2. Vanity Fair.
3. Gitanjali.
4. Treasure Island.
5. Sakuntala
6. Merchant of Venice.
7. The Jungle Book.
8. Goodbye Mr. Chips.
9. Three Men in a Boat.
10. Gullivers Travels.

III A. Indicate the homes of the following creatures :—

1. A dog's Home is a _____
2. A rabbit's home is a _____
3. A Pig's home is a _____
4. A Horse's home is a _____
5. A Bee's home is a _____
6. A Dove's home is a _____
7. A Lion's home is a _____
8. A Cow's home is a _____
9. A bird's home is a _____
10. A wild beast home is a _____

B. Explain the following terms :—

1. Plimsoll line.
2. Inflation.
3. Jamboree.
4. Taxidermy.
5. Mechanised army.
6. Olympic games.
7. Ranji Trophy.
8. Flag-Ship.
9. Dog-Watches.
10. Davis Cup

IV. Answer the following questions :—

1. What animal has the toughest skin ?
 2. Why does water run off a duck's back ?
 3. Why do railway platforms have sloping ends ?
 4. Which signals on the railway line does the engine driver watch ?
 5. Why does a horse wear, blinkers ?
 6. Why is the mouth of a pillar box placed on the slant ?
 7. What is a village pound ?
 8. Why have rubber soles to shoes and boots a ridged surface ?
 9. Who invented the telescope, dynamite, wireless, telephone, the type-writer, the first locomotive ?
 10. Who first reached the North and South Pole ?
 11. Which are the biggest ships that have ever been built ?
 12. Why is one's breath visible in cold but not in hot wheather ?
 13. What is the new capital of Orissa ?
 14. What is an Ode ?
 15. In what battle did Nelson lose the sight of one eye ?
 16. What is the "Blue Peter" ?
 17. What does a cone hoisted on a flagstaff at the seaside mean ?
 18. When a ship flies a yellow flag what does it mean ?
 19. What significance have the three white lines on a sailor's collar ?
 20. Which is the best natural harbour in the world ?
- V. The following foreign words and phrases are used in English language. What do they mean ?**

1. Coup d'etat.
2. In camera.
3. Post mortem.
4. Viva voce.
5. Alma mater.
6. Status quo.
7. In toti.
8. Sine die.
9. Ipso facto.
10. Ultra vires.

GEOMETRY

(Time 2 Hours.)

(Maximum marks—50.)

Note.—1. Candidates are warned that misreading of a question may lead to a loss of number of marks.

2. All construction lines must be clearly shown and short proofs must be given for each.

3. Marks will be deducted for general neatness.

4. Answer question 7 and 5 others.

1. *a.* State and prove the properties of a parallelogram.

b. Prove that the bisectors of the interior angles of a parallelogram form a rectangle.

2. *a.* Prove that the square described on the hypotenuse of a right angled triangle is equal to the sum of the squares on the other two sides.

b. If O is the ortho-centre of the triangle ABC show that $AO^2 + BC^2 = BO^2 + AC^2 = CO^2 + AB^2 = d^2$ where d is the diameter of the circumcircle.

3. ABCD is a quadrilateral inscribed in a circle and P is the mid-point of the arc AB which does not contain C and D. PC and PD cut AB at X and Y respectively. By considering the opposite angles DCX and DYX of the quadrilateral DCXY, prove that the quadrilateral is concyclic.

4. Draw a triangle ABC in which $BC = 3.6$ in., $AB = 4$ in., and the median from A is of length 2.9 in.

Find by geometrical construction, and mark clearly the point P, on the median from A and inside the triangle which is equidistance from the sides AB and BC.

5. Draw a quadrilateral ABCD in which the side $AB = 2.4$ in., the side AD, 3.1 in., the angle $A = 40^\circ$, the angle $C = 70^\circ$ and the angle $D = 112^\circ$.

If P is the point in the side AD such that $AP = 24$ in., and N is the foot of the perpendicular from C to BP. Calculate the number of degrees in the angle BCN.

6. ABC is a straight line of length 9.2 cm., and $AB = 5.7$ cm., AD is another straight line making an angle BAD equal to 33° .

Draw this figure and find a point on AD which is the centre of a circle touching AB at B. Draw the circle and construct the second tangent to it from C. Measure the radius of the Circle.

7. (a) If $\tan A = \frac{5}{12}$ find the value of:—

$$\frac{1}{\tan A} (\sin A - \cos A) + \frac{1}{\cos A}$$

(b) The angle of elevation of the top of a flag staff which rests on the top of a tower and that of the top of the tower, as observed from a certain point P on the ground are 35° and 31° respectively. If the height of the tower is 60 ft., find the height of the flagstaff. ($\tan 59^\circ = 1.6643$, $\tan 35^\circ = .7002$).

ARITHMETIC

(Time 2 hours.)

(Maximum Marks—50.)

NOTE.—Answer any six questions.

N.B.—All working must be clearly shown; it should be done as far as possible on the same sheet as the rest of the answer. No marks will be given for answers without working.

(i) Simplify:—

(a) $\left(\frac{5}{6} - \frac{2}{3} \div \frac{5}{6}\right)$

(b) $\left(1\frac{1}{2} \div \frac{3}{4}\right) \times \frac{5}{6}$

(c) $\frac{2}{5} \div \left(\frac{3}{4} \text{ of } \frac{1}{2}\right)$

(ii) Evaluate.

(a) 0.002697×4.481 correct to four significant figures;

(b) $0.0035280 \div .01476$ correct to four places of decimals.

2. (a) There are four prime numbers; the product of the first three is 2431; that of the last three 4199; determine the four numbers.

(b) Four bells begin to toll simultaneously and toll at intervals of 16, 18, 20 and 25 Sec. respectively. After what time will they again toll simultaneously?

(c) Find the value of $\frac{.321 \times 321 - .179 \times 179}{.321 - .179}$ of Rs. 5.

3. (a) A parish map is drawn on the scale of a foot to a mile. Express as the decimal of a square inch, the size of this map of field which contains an acre.

(b) A train was noticed pass a station to 220 yards long in 10 seconds, and another station 330 yards long in 14 seconds. How long was the train and how fast was it moving?

4. (a) The simple interest on a certain sum of money for 3 years at $2\frac{3}{4}$ per cent. is Rs. 43-5as. Find the sum.

(b) A rectangular tank 9 ft. by 5 ft. $\times$ 2 ft. has a supply pipe pouring in 576 cu. ins. of water in a minute, and another pipe which can empty the whole tank in 3 hours. If the tank is full, and both pipes are left open, how many hours will pass before the tank is empty?

5. (a) A tradesman after allowing purchasers a discount of 10% on the marked prices of his goods, makes a profit of $12\frac{1}{2}\%$ on their cost price. If he increases his marked prices by 10% and allows purchasers a discount of 20%, what percentage of profit will he then make?

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(Time 1½ hours.)

(Maximum marks—75.)

N. B.—Answer any three questions.

I Draw a full page map of India and show therein :—

- (a) Evergreen forests.
- (b) The Nilgiris, the Aravali hills and the Vindhya mountains.
- (c) The railway route from Bombay to Calcutta with two important stations on it.
- (d) Goa, Chittagong, Karachi, Benares, Trivandrum.
- (e) Areas producing coal, rubber, cotton.

II A cargo vessel sails from Bombay to London and calls at Aden, Suez, Port Said, Alexandria, Malta, Naples, Marseilles, Gibraltar and Lisbon. Explain :—(1) What cargo is put into the vessel at Bombay and where each thing comes from. (2) What cargo is put ashore at each stopping place and what new cargo if any is taken on.

III Select three of the following :—Tea, Raw Silk, Sugar Cane, Coffee, Soya Bean, Wool, Flax. For each of three selected :—

- (1) locate (preferably by sketch-map) an important area of production ;
- (2) describe the geographical conditions which influence the production of the commodity within the area.

IV Compare the East Gangetic plain with the West Gangetic plain with special reference to :—

- (a) Situations, (b) Climate, (c) Soil and (d) Agricultural products.

V Write short notes on any four of the following :—Isotherms, Relief rain, Block mountain, Products of the Indian forests, Fault, Loess, Glaciers, Fiord Rifts Valley.

(b) A leaden sphere, 3 inches in diameter, is beaten out into a circular disc of uniform thickness 0.01 inch. Calculate the diameter of the disc ?

6. (a) There are two casks of spirit, containing 25% and 15% respectively of water. If 4 gallons of the first are added to 5 gallons of the second, what percentage of water will there be in the mixture.

(b) If 1cc. of brass weighs 8.4gm., find the weight of a solid brass cylinder of radius 3cm. and height of 6cm. (Take π to be $\frac{22}{7}$).

7. (a) A can do as much work in 2 days as C in 3 days, and B in 5 days as much work as C in 4 days ; what time would B require to do a work which A can finish in 12 weeks ?

(b) A, B and C trade together for 12 months. A supplies Rs. 4,000 capital for 8 months and Rs. 6,000 for 4 months ; B supplies Rs. 3,000 for 6 months and Rs. 5,000 for 6 months ; C supplies Rs. 3,000 for the 12 months. Divide a profit of Rs. 700 among them.

8. (a) What sum of money borrowed at 5% compound interest can be repaid by two equal annual instalments of Rs. 441 each, first instalment being payable at the end of the first year.

(b) The roofing of an air-raid shelter consists of sheet iron in the form of half a circular cylinder of length 3.67 metres and radius 1.21 metres. If this roofing weighs 101.3 kilograms, find *without doing any simplifying*, an expression for the weight in kilogram of a square metre of the sheet iron.

Find the value of this expression correct to two places of decimals.

APPENDIX VIII.

Cadet's Equipment.

List A.

To be purchased, on joining, (from the Ship's Authorised Contractors). Cost Rs. 300 (approximate) :—

- 4 Tunics. White drill—single breasted (Uniform).
- 4 Trousers. White drill—non turn up.
- 2 Caps uniform—patent peak—moire band and badge.
- 3 Cap covers—marcella.
- 6 Uniform buttons, large.
- 4 Uniform buttons, small (with cords).
- 6 White uniform shirts.
- 6 White uniform shorts.
- 2 Shorts Blue for games.
- 4 Shirts for games (2 blue and 2 white).
- 2 Pairs of black shoes.
- 1 Pair white canvas shoes (no toe caps).
- 1 Pair canvas rubber shoes.
- 1 Pair Football Boots.
- 6 Pairs white stockings.
- 2 Pairs Games stockings.
- 2 Boiler Suits.
- 1 Blazer.
- 1 Pillow, Cotton.
- 1 Bathing Costume.
- 1 Muffler.
- 1 Tie, Black.

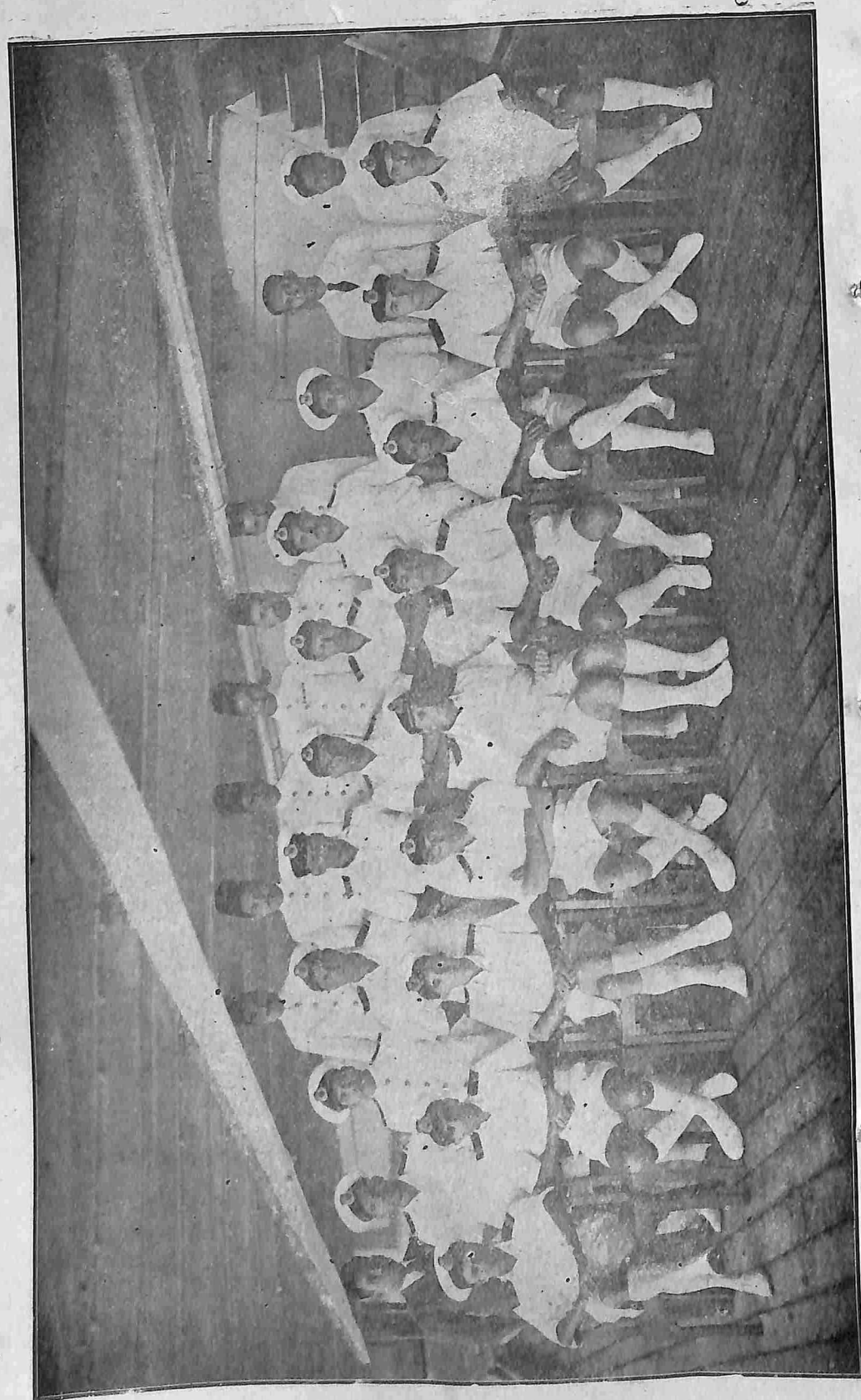
List B.

(i) Obtainable through Ship's Canteen on joining. Approximate cost Rs. 20 :—

- 2 Lanyards.
- 2 Blazer badges.
- 1 Belt, leather.
- 1 Tooth brush, and paste.
- 1 Clasp knife.
- 1 Soap, toilet.



A Junior Semaphore Class



Staff, 1945

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(ii) Books and Instruments supplied by the Ship and charged for in advance.
Approximate cost Rs. 60 :—

- 1 copy of Nories' *Nautical Tables*.
- 1 copy of Nichol's *Seamanship*.
- 1 copy of *Manual of Navigation*.
- 1 copy of Brown's *Meteorology*.

List C.

To be arranged for privately, but these articles are also purchasable through the Ship's Tailor at an approximate cost of Rs. 100 :—

- 2 Pairs stocking garters.
- 4 Vests, cotton.
- 4 Shirts, white.
- 4 Sleeping suits.
- 8 Handkerchiefs, white.
- 4 Pillow Cases.
- 4 Napkins, Table.
- 4 Sheets.
- 4 Towels.
- 1 Shoe Brush with polish.
- 1 Blanket preferably brown.

NOTE 1.—It is found by experience that the total annual replacements of above equipment through wear and tear amount to about Rs. 100 approximately. Where necessary, such replacements will be made through the Ship's supplies and their bills, duly approved by Captain Superintendent, will be sent to the Parents for direct payments during the term.

NOTE 2.—No replacements of items in list A and B are to be made by cadets or parents during vacations as this has a detrimental effect on uniform. These items must always be purchased from the Ships authorised contractors or canteen. Blankets if renewed should be plain brown.

NOTE 3.—The approximate cost indicated under different Sections of the above Lists is according to rates current at the time of publication of this Prospectus. The amount required from parents of cadets admitted to the Ship on account of Uniform and Equipment will include an increase if any to cover the rise in prices at the time of purchase.

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IMPORTANT NOTICE.

DUE TO THE UNAVOIDABLE DELAY IN THE DESPATCH OF THIS COPY OF THE PROSPECTUS THE APPLICATION FORM FOR ADMISSION IN 1949 WILL BE ACCEPTED UP TO 2nd. NOVEMBER, IF THIS FORM IS ATTACHED TO THE APPLICATION FORM WHEN SUBMITTING TO THE UNDERSIGNED.

Secretary, Governing Body,
I. M. N. T. S. "DUFFERIN"

APPENDIX-IX

INDIAN MERCHANT NAVY TRAINING SHIP "DUFFERIN".

Application for Admission

(To reach the Ship not later than 25th October 1948. Candidates who delay their applications until the last few days will do so at their own risk. Items 1 to 17 of this form should be filled in **Block Letters**.)

This application for admission must be accompanied by a remittance of **Rs. 10** (ten) in **Government Currency Note** under insured registered cover and not by cheque, M. O. or Postal Order.

1. State your place and year of passing }
Matriculation Examination or its equivalent. }

2. Full name of applicant .. { Christian or First Name
Surname

3. Father's full name ..

4. Father's occupation ..

(In the case of service, the name or designation of the post held must be given. Retired pensioner must give the name of the last post held.)

5. Province of domicile and mother tongue ..

6. Full permanent address of Father or Guardian ..

7. Religion, caste or community ..

8. Date of birth of applicant ..

9. Age of applicant on 1st July 1948
(years, months and days) ..

10. Place of birth ..

11. Name of School or College and class
the candidate last attended. ..

12. Full name and relationship of guardian (if
not the father) ..

13. Occupation of guardian ..
(see Note under Item 4 above).

14. Present income of parent or of guardian
if not parent. (See certificate to be signed
by District Magistrate or J. P. overleaf) ..

15. Number of brothers and sisters of the candidate
(a) Dependent on the candidate's parents or
guardians ..

(b) Provided for otherwise ..

16. Name, occupation and full residential
address of a relative or friend in Bombay

[Vide paragraph 22(iv) of the Prospectus] ..

17. Can the applicant swim? ..
(Ability to swim is an advantage, but not essential on joining. It will be taught on board.)

18. Has the applicant been a scout? ..

19. Name of the examination centre at which
the candidate desires to appear ..

Signature of applicant.

Declaration by Guardian.

I declare that I have read the current edition of the Prospectus of the Training Ship "Dufferin" and accept its terms and conditions.

In the event of the above applicant being admitted to the Training Ship, I undertake to pay in advance his fees and extras as they become due until the completion of his course of training.

Dated the 19 .

Place ..

Signature of Guardian.

[P. T. O.]

Certificate by the District Magistrate or a Justice of the Peace.

I certify that I have carefully read the statements made above, and that, so far as I know, the information is correct. I also certify that the Applicant and his parents are Subjects of the Dominion of India (including the acceding Indian states) and that they are domiciled in India.

Signature.

District Magistrate.

Justice of the Peace.

Dated.....

(This certificate must be signed by a District Magistrate or a Justice of the Peace.)

N.B.—The following certificates, in original, must accompany this application:—

- (1) The **Date of birth certificate** or other satisfactory proof of date of birth. (Horoscopes and Extracts from Birth registers in vernacular must be accompanied by an English rendering of its contents with the dates shown in terms of the Christian Era duly countersigned by a J. P. or a District Magistrate. Certificate extracts from School records showing actual date of birth are also accepted).
- (2) **Medical and Eye-sight certificate** in original showing uncorrected vision, from a Government medical officer of not lower rank than an Assistant Surgeon.
- (3) **Two certificates of good character**, in original, from two respectable persons not related to the applicant.
- (4) A **certificate that they are Subjects of the Dominion of India** (including acceding Indian States) and that they are domiciled in India, which is printed in this form, must be signed by a District Magistrate or a Justice of the Peace.
- (5) The **Matriculation certificate** or the certificate of an examination of a recognised University of a standard not lower than the Matriculation.

* Score out as necessary.

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