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SCHOOLS OF ENGINEERS

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134

NOV. 1946

SYLLABUS FOR INSTRUCTORS' COURSE, ORDNANCE Q.F. 3.7-INCH MK.2 GUN ON 811

MOUNTING 3.7-INCH A.A. MK.3. (5)

PART ONE. - THE PIECE.

1st DAY.	TIME.	Mins.
AM.		
Opening Address.	0730 - 0750	(20)
Construction & Life.	0750 - 0830	(40)
Breech Mechanism, Description.	0830 - 0900	(30)
I N T E R V A L	0900 - 0915	
	0915 - 0945	(30)
Breech Mechanism, Description; (cont'd).		
Special Features of Breech Mechanism.	0945 - 1015	(30)
Extractors.	1015 - 1030	(15)
Firing Mechanism, Description.	1030 - 1100	(30)
PM.		
Firing Mechanism, Description, (cont'd).	1500 - 1530	(30)
Firing Mechanism, Action.	1530 - 1545	(15)
Special Features of Firing Mechanism.	1545 - 1600	(15)
Probable Misfires.	1600 - 1615	(15)
Safety Arrangements.	1615 - 1630	(15)
Recapitulation.	1630 - 1730	(60)
134		
2nd. DAY.		
AM.		
Action of Breech Mechanism on Hand Working.	0730 - 0900	(90)

I N T E R V A L
 Breech Mechanism, Description; (cont'd). 0900 - 0915
 0915 - 0945 (30)
 Special Features of Breech Mechanism. 0945 - 1015 (30)
 Extractors. 1015 - 1030 (15)
 Firing Mechanism, Description. 1030 - 1100 (30)
 PM. Firing Mechanism, Description, (cont'd). 1500 - 1530 (30)
 Firing Mechanism, Action. 1530 - 1545 (15)
 Special Features of Firing Mechanism. 1545 - 1600 (15)
 Probable Misfires. 1600 - 1615 (15)
 Safety Arrangements. 1615 - 1630 (15)
 Recapitulation. 1630 - 1730 (60)

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2nd. DAY.

AM.

Action of Breech Mechanism on Hand Working.

I N T E R V A L

0730 - 0900 (90)

0900 - 0915

Action of Breech Mechanism on Semi-Auto. Working.

0915 - 1015 (60)

P R A C T I C A L W O R K B Y S T U D E N T S .

1015 - 1100 (45)

PM.

P R A C T I C A L W O R K B Y S T U D E N T S .

1500 - 1730 (150)

3rd of 3

PART TWO. - THE Fth MOUNTING.

3rd. DAY. TIME. Mins.

AM. Chief Features. 0730 - 0800 (30)

Platform. 0800 - 0830 (30)

Brake Gear. 0830 - 0900 (30)

I N T E R V A L 0900 - 0915

Base Ring. 0915 - 0945 (30)

Roller Ring. 0945 - 1005 (20)

Carriage Body. 1005 - 1100 (55)

PM. Traversing Gear. 1500 - 1520 (20)

Elevating Gear. 1520 - 1550 (30)

Cradle. 1550 - 1620 (30)

Balancing Gear. 1620 - 1700 (40)

Recapitulation. 1700 - 1730 (30)

AM. 4th. DAY

Buffer. 0730 - 0830 (60)

Recuperator. 0830 - 0900 (30)

I N T E R V A L 0900 - 0915 ¹³³

Roller Ring.
 Carriage Body.
 Traversing Gear.
 Elevating Gear.
 Cradle.
 Balancing Gear.
 Recapitulation.

P.M.

4th. DAY

A.M.

Buffer.
 Recuperator.
 I N T E R V A L
 Packings for Liquid Gland.
 Intensifier.
 Packings for Intensifier.

P.M.

Action of Recoil System.
 Filling & Charging:-
 Intensifier.
 Air Cylinder.

5th DAY.

AM.

Filling of Buffer.

0730 - 0815 (45)

Practical Work by Students.

0815 - 0900 (45)

I N T E R V A L

0900 - 0915

Practical work by Students.

0915 - 1100 (105)

PM.

Practical work by Students.

1500 - 1730 (150)

6th. DAY.

AM.

Bearing Receiver Gear.

0730 - 0830 (60)

Elevation Receiver Gear.

0830 - 0900 (30)

I N T E R V A L

0900 - 0915

Elevation Receiver Gear, (cont'd).

0915 - 0945 (30)

Practical work by Students.

0945 - 1100 (75)

PM.

Barrel Changing.- Practical work by Students.

1500 - 1730 (150)

7th. DAY.

Re-assembling dismantled Equipment.

0730 - 0900 (90)

I N T E R V A L

0900 - 0915

Re-assembling dismantled Equipment.

0915 - 1100 (105)

Re-assembling dismantled Equipment.

1500 - 1730 (150)

Bearing Receiver Gear. 0730 - 0830 (60)

Elevation Receiver Gear. 0830 - 0900 (30)

I N T E R V A L 0900 - 0915

Elevation Receiver Gear, (cont'd). 0915 - 0945 (30)

Practical work by Students. 0945 - 1100 (75)

PM.

Barrel Changing.-- Practical work by Students. 1500 - 1730 (150)

7th. DAY.

Re-assembling dismantled Equipment. 0730 - 0900 (90)

I N T E R V A L 0900 - 0915

Re-assembling dismantled Equipment. 0915 - 1100 (105)

Re-assembling dismantled Equipment. 1500 - 1730 (150)

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8th. DAY. -- As for 7th.

9th. DAY. -- Written & Oral Examinations.

This syllabus gives a total of 51 Hours 45 Minutes instruction, of which, 29 Hours 15 Minutes are devoted to practical work & examinations.

SUBJECT : Engineers School -- Clothing.

12 RU.
C. H. F.

(Tel : RCM 48904 Ext : 545)

G. 11.

November 1946.

To : H.Q.
Central schools.

Copy to : Instructor R.M. - 12 B.I.U.

The recruits at CIVITAVECCHIA work in their denims. They have no overcoats, gas capes or winter clothing.

May this B.I.U. please be informed what arrangements have been made to provide clothing for the winter.

AMS/gm.

12. Colonel,
C.S.

Subject : Engineers School - Rationing.

12 MAR.
C. W. F.

(Tel : COM 48908; Ext : 542)

G. 11.

2 November 1946.

To : Central School.

Copy to : Instruction S.S. - 12 L.S.S.

1. It has been suggested that the recruits at the Engineers School receive a scale of food that is not sufficient for men who do heavy work out of hours.

2. Your view on this question would be appreciated.

12. Colonel.
S.S.

W.F./ys.

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