

Fire Control (50 marks)—

- (a) Definition of terms.
- (b) Standard method of passing orders.
- (c) Elementary principles of Fire Control.
- (d) The Dumaresq and Range Clock.
- (e) Control of a single gun and use of spotting rules.

Rangefinders (25 marks)—

- (a) Practical rangetaking.
- (b) Tests of rangefinders.

Ammunition (75 marks)—

- (a) General types of B.L. and Q.F. charges and markings.
- (b) Types of tubes; precautions in using and keeping.
- (c) Types of shell and fuzes used with them for small vessels.
- (d) Stowage of ammunition: Markings of boxes.
- (e) Fuzing and unfuzing shell.
- (f) General regulations concerning care of explosives, misfired rounds, ammunition stowed in exposed positions, wetted and defective ammunition.
- (g) Naval Magazine and Explosive Regulations: General knowledge of Chapters I-VII.

General Gunnery (30 marks)—

- (a) Responsibilities of Officer of Quarters as laid down in O.U. 5238.

Machine Gun (25 marks)—

- (a) To understand the action of, and to be able to use a Lewis gun.

Gun Drill (100 marks)—

- 4 in. Q.F.S.A. gun and 4 in. B.L. gun. To be able to drill with detail and take charge of the gun's crew, and to be able to take any number at these guns.

Stripping (75 marks)—

- 4 in. Q.F. Mk. IV gun on P. IX mounting and 4 in. B.L. Mk. IX on C.P. I mounting. To understand the action of, and to be able to strip the mechanisms taught.

(To pass: 50 per cent. in each subject, and 65 per cent. of the total.)

(b) MINESWEEPING AND DEPTH CHARGES.

Syllabus.	Standard required in each Subject.
Section I— Short general history of M/S. . . General principles and uses of different types of sweep General requirements with regard to M/S vessels	} General knowledge (70 per cent.).
Section II— "A" sweeps—General Passing sweep, handling gear, &c. . .	
Section III— Oropesa sweep—General Handling gear, &c.	} Good knowledge (75 per cent.).
Section IV— Mine-sweeping gear (Mine-sweeping Manual, Section V) Laying and weighing Dan buoys . . Clearing and searching sweeps, general information, sweeping formations, &c.	
Section V—Ability to take charge of operation of "A" sweep and Oropesa sweep, and the laying-out and weighing of Dan buoys	75 per cent. Officers must show themselves capable of taking charge and using their own initiative. Standard should be approximately that of Sub-Lieutenant, Royal Navy.
Depth Charges— Depth charge, type D; D.C. Pistols, Mk. IV and V Principles of tactics of D.C. attacks	} Good knowledge (70 per cent.).

(75 per cent. of total maximum marks will be required to pass this examination.)