

**134. Qualifications required of Naval and Indian Marine Officers.**—Officers of the Royal Navy or of the Royal Indian Marine who wish to be examined for certificates of competency in the mercantile marine will be required to prove the following service; and if an officer wishes to obtain the ordinary certificate for foreign-going ships he must prove that at least twelve months of this required period was served under sail alone:—

- (1.) For second mate: The officer must prove four years' service at sea, or that he has attained the rank of acting sub-lieutenant.
- (2.) For only mate: Five years' service at sea.
- (3.) For first mate or master: The officer must prove that he has attained the rank of sub-lieutenant in the Royal Navy, or of lieutenant in the Royal Indian Marine.

**135. Service in Royal Naval Reserve.**—Lieutenants, sub-lieutenants, and acting sub-lieutenants of the Royal Naval Reserve who perform sea service on board His Majesty's ships will, if accompanied by a good report, be allowed to count such service as if it had been performed in foreign-going merchant ships, and the service will rank according to the certificate of competency held by the candidate at the time (see also para. 164).

**136. Service in Drill and Harbour Ships.**—The time spent in periodical training in the Royal Naval Reserve on board seagoing vessels of the Royal Navy, if accompanied by a good report, will be accepted in full, but in the case of midshipmen will not count as officers' service. In the case of service in harbour ships of the Royal or Colonial Navies only half such time will be accepted as sea service, and no such service must amount to more than one-fourth of the time required for the particular grade of certificate applied for.

#### CONDUCT OF THE EXAMINATIONS.

**137.** The examinations will begin at 10 a.m. on each day. A regular luncheon-interval will be given on each day between 1 p.m. and 2 p.m., the *viva voce* and practical parts of the examination being taken at such times as may be convenient. The time allotted for each written part of the examination for each grade of certificate will be as follows:—

##### *Candidates for Foreign-going Certificates—*

*Second Mate.*—Paper on navigation and nautical astronomy, 3 hours; nautical astronomy and trigonometry, 2 hours; chart-work, 3 hours; essay, 1 hour.

*First or Only Mate.*—Paper on navigation and nautical astronomy, 3 hours; nautical astronomy and trigonometry, 2 hours; chart-work, 3 hours; Sumner problem, 2 hours; meteorology paper, 1½ hours.

*Master.*—Paper on navigation and nautical astronomy, 3 hours; nautical astronomy and trigonometry, 2 hours; chart-work, 3 hours; meteorology paper, 1½ hours; compass-deviation, 1½ hours; naval architecture, 1½ hours; essay, 2 hours.

*Extra Master.*—Paper on navigation and nautical astronomy, 3 hours; nautical astronomy and trigonometry, 2 hours; chart-construction, 3 hours; chart-work, 2 hours; naval architecture and stability, 3 hours; magnetism, 3 hours; general knowledge, 2 hours; essay on meteorology or other subject as may be selected, 2 hours.

##### *Home Trade—*

*Second Mate.*—Arithmetic and navigational papers, 2½ hours.

*Mate.*—Arithmetic and navigational papers, 2½ hours; chart-work and navigational papers, 3 hours.

*Master.*—Arithmetic and navigational papers, 2½ hours; chart-work and navigational papers, 3 hours; nautical astronomy and deviation questions, 3 hours; nautical astronomy, 1½ hours.

*Master of a Fishing-boat, or of a Cargo-ship up to 25 Tons Register.*—Arithmetic and navigational papers, 2½ hours; chart-work and navigational papers, 3 hours.

*Master of River-steamer, or of a Sailing-ship plying in Harbours and Rivers.*—Arithmetic paper, 2 hours.

**138. Candidates to be punctual.**—Candidates are required to appear at the examination-room punctually at the time appointed.