

86. Navigation.—The examination in navigation will be precisely the same as that prescribed for an extra master's certificate. (See para. 77).

87. Seamanship.—The subjects of examination in seamanship will be the same as those prescribed for a yacht-master's certificate, but the candidate for an extra certificate will be expected to show a more extensive practical knowledge than is required of a candidate for the yacht-master's certificate.

CERTIFICATES FOR PLEASURE-YACHTS IN NEW ZEALAND WATERS.

88. Age, Requirements, &c.—A candidate must be not less than eighteen years of age.

The examination for these certificates is purely voluntary, and is confined to those who own or part own pleasure-yachts in New Zealand waters. The certificate will not entitle the holder to command any vessel except a pleasure-yacht in New Zealand waters.

Candidates are not required to have served any specified time afloat, as it is believed that their sea-knowledge will be sufficiently tested by the examination they will have to pass in seamanship.

Testimonials as to character, including sobriety for at least twelve months preceding the date of application to be examined, will be required of all candidates.

A candidate will be required to produce a statutory declaration to the effect (1) that he is the sole or part owner of a yacht; (2) that the yacht is seagoing; (3) that it is not to be used for trading purposes. He will also be required to fill up the form of application (Form Exn. 2), and pay the fee of £2 at a mercantile marine office, as prescribed in para. 35. In all other respects, except that the candidate will not be required to produce a first-aid certificate, the regulations relating to the examinations of masters of foreign-going ships will apply in these cases.

Yacht-master in New Zealand Waters.

89. Navigation.—A candidate will be required to—

- a. Write a legible hand from dictation, and spell correctly.
- b. Work a day's work complete, correcting the courses for leeway, deviation, and variation.
- c. Find the latitude by meridian altitude of the sun.
- d. Find the true courses and distance from one given position to another by Mercator's method; also the compass course, the variation and deviation being given.
- e. Find the time and height of high water at a given port.
- f. Find the true amplitude of the sun, and the error of the compass therefrom; also the deviation, the variation being given.
- g. Find the longitude by chronometer from an altitude of the sun, computing the daily rate of chronometer from errors observed when such is required.
- h. Find the true azimuth of the sun by Time Azimuth Tables; the error of the compass; also the deviation, the variation being given.
- i. Find from tables the time at which a given star will be on the observer's meridian above the Pole.
- j. Compute the approximate meridian altitude of a star, for setting the sextant.
- k. Find the latitude by meridian altitude of a star.
- l. Find the approximate altitudes and bearings of stars within the limits of Star Reduction and Azimuth Tables which would be suitable for observations to quickly obtain position of ship.
- m. Find the position of ship by two stars at twilight, or by one star combined with the bearing of a distant mountain, headland, or sounding, by aid of tables, or any other method which candidate may prefer.
- n. Examination in chart and correction of soundings as required for home-trade master.

HONORARY CERTIFICATES OF EFFICIENCY IN NAVIGATION AND SEAMANSHIP FOR MEMBERS OF THE ROYAL NAVAL VOLUNTEER RESERVE.

90. Requirements, &c.—Officers belonging to the Royal Naval Volunteer Reserve may be examined for either the ordinary or extra certificate of efficiency in navigation and seamanship.