

- (n.) The measurement and equipment of a ship's lifeboats, and number of persons allowed to be carried in each class of boat.
- (o.) Testing of lifebuoys and lifebelts.
- (p.) The screening of ship's sidelights.
- (q.) More advanced questions on the main part of a ship's construction and general use.

**36. First Mate, Ordinary : Examination in Seamanship.**— In addition to the qualifications required for a second mate's certificate, an only or first mate will be required to show a knowledge of the following subjects:—

- (a.) Shifting large spars, rigging shears, taking lower masts in and out.
- (b.) How to moor and unmoor ship, to keep a clear anchor, and to carry out an anchor.
- (c.) How to manage a ship in stormy weather, and to cast a ship on a lee shore.
- (d.) How to secure the masts in the event of accident to the bowsprit.
- (e.) How to rig purchases for getting heavy weights, anchors, machinery, &c., in or out.
- (f.) How to dispose various kinds of cargo and weights in a stiff and in a tender vessel.
- (g.) The ventilation of holds and the stowage of explosives.
- (h.) The stowage of grain cargoes.
- (i.) How to rig a sea-anchor, and what means to employ to keep a vessel, disabled or unmanageable, out of the trough of the sea, and lessen her lee drift.
- (j.) How to get a cast of the deep-sea lead in heavy weather.
- (k.) Accidents and how to deal with them.
- (l.) Any other questions appertaining to the duties of an only or first mate which the Examiner may think necessary to ask.
- (m.) Also questions on the additional subjects which are specified in the rules of examination for only and first mate's certificates of competency for foreign-going steamships. (See para. 49.)

*Master, Ordinary.*

**37. Master, Ordinary.**—A candidate must be not less than twenty-one years of age, and—

- (a.) He must have served six years at sea, of which one year must have been in a capacity not lower than only mate of a foreign-going vessel, whilst holding a certificate not lower than an only mate's certificate for foreign-going vessels: Provided that if this service as officer was not performed whilst holding a first mate's certificate for foreign-going vessels the candidate will also be required to prove the officer's service prescribed for that grade (para. 34).
- (b.) *Or*, he must have served six years at sea, of which one year and a half must have been in a capacity not lower than only mate of a home-trade or coasting vessel whilst holding a certificate not lower than an only mate's certificate for foreign-going vessels: Provided that if this service as officer was not performed whilst holding a first mate's certificate for foreign-going vessels the candidate will also be required to prove the officer's service prescribed for that grade (para. 34).
- (c.) *Or*, he must have served six and a half years at sea, one year of which must have been in a capacity not lower than second mate of a foreign-going vessel whilst holding a first mate's certificate for foreign-going vessels—provided that if this service as second mate was performed under an additional or auxiliary first mate it will only be accepted if a third and fourth mate were also carried; *and* one year and a half not lower than third or fourth mate of a foreign-going vessel *in charge of a watch* whilst holding a second mate's certificate for foreign-going vessels (para. 6).
- (d.) *Or*, he must have served nine years at sea in the home or coasting trade, of which three years must have been as master, *or* one year as master and three years in a capacity not lower than that of mate: Provided that in either case he has served in such capacity for not less than one year with a second mate's certificate for foreign-going vessels or a master's certificate for home-trade ships.