

**Syllabus for Certification of Ratings Forming Part of
Navigational Watch**

Subject Area - 1

Steer the ship and also to comply with helm orders in English Language.

Magnetic Compass and Steering

- a. Know various parts of Magnetic compass i.e. Graduations of Magnetic compass, Mirrors, lights etc.
- b. Various conning position and Helm orders.
- c. Changeover of steering system from Auto to Manual mode and vice-versa, Follow up and non- follow up mode.
- d. Practical knowledge of helm orders.
- e. Knowledge of Marine vocabulary.
- f. Repetition of helm order and positive communication.
- g. Knowing of various alarms i.e. Off-course alarm, steering failure alarm etc.

Subject Area – 2

Keep a proper look out by sight and hearing

Look Out Duties

- a) Maintain sharp look out by all available Means.
- b) Basic knowledge of Sound signal and Lights.
- c) Identification of Buoys i.e. Colour and Shape.
- d) Having knowledge of Relative bearing and reporting
- e) Knowledge of warning signals.

Subject Area – 3

Contribute to Monitoring and controlling a safe watch

a. Internal communication and Ability to understand orders

- i. Knowledge of activating emergency alarm, Paging system etc.
- ii. Having knowledge of Fire alarm system and reporting zone alarms to duty officer (OOW)
- iii. Efficient and clear communication skill.

b. Procedure for taking over Watch and Handing over same

- i. Duties of AB at sea, anchor and Port.
- ii. Basic knowledge of ISPS code i.e. security level, checks to be carried out during each level of security, reporting security incident to duty officer, security codes, place of citadel.
- iii. Personal safety and security in case of emergency either related to safety and security.
- iv. Knowledge of taking over watch, maintaining a watch and handing over watch.
- v. Fitness for duty and procedure for reporting for duty.

c. Basic environmental Protection.

- i. Basic knowledge of MARPOL.
- ii. Equipment of SOPEP locker.
- iii. Knowledge of Garbage collection , storage and disposal
- iv. Basic knowledge of MARPOL Annex V
- v. Reporting of non-compliance of MARPOL annex V to Master / Company – Procedure

Subject Area – 4

Operate emergency equipment and apply emergency procedures

a. Knowledge of Emergency duties and alarm signals.

- i. Knowledge of duties listed in Muster list
- ii. Knowledge of Muster station.
- iii. Basic checks of life jacket and EEBD.
- iv. Knowledge of Emergency station.
- v. Knowledge of starting of Life boat engine.
- vi. Life boat Equipment and parts.
- vii. Life raft stowage and lowering procedure
- viii. Basic knowledge of Training Manual i.e. information, equipment and availability.
- ix. International shore connection
- x. Use of different type of Extinguisher

b. Knowledge of Pyrotechnic distress signal, satellite EPIRB and SARTs

- i. Location of storage of Pyrotechnic and how to use the same in emergency
- ii. How to use SART and their storage location
- iii. How to activate EPIRB and knowledge of EPIRB fitted with HRU