

SYLLABUS FOR COMPUTER BASED RECRUITMENT TEST (CBRT)
FOR THE POST OF RADIO OFFICER OF CAPTAIN OF PORTS (Adv 04
Year 2022)

I. General English including Grammar - 10 marks

II. General Knowledge, Current Affairs and Events of National and International Importance - 10 marks

III. Logical Reasoning and Analytical Ability - 25 marks

IV. Core: - 30 marks

- Detailed basic concepts and practical Knowledge of the communications systems in GMDSS and Ability to use the Basic Equipment of a Ship Station DSC, NBDP, TOR, EPIRB, LRIT, AIS, SART, Navtex, Inmarsat, Cospas Sarsat, Radiotelephony Communications, IAMSAR, SAR, Maritime Rescue Organisations. EGC, Marine safety information system
- SAT COM Inmarsat Usage in the GMDSS Basic knowledge:(i) Inmarsat-A/B MES (SES): Distress Communications: Use of Distress Facility, Satellite Acquisition, Telex and Telephony Distress Calls, Procedures for Distress Calls, Rescue Co-ordination Centres associated with CESS.(ii) Inmarsat-C MES (SES): Distress and Safety Services: Designated and Undesignated Distress Alert, Distress Priority Message.
- (iii) Inmarsat EGC: Purpose of the EGC System: All-Ships Messages and Inmarsat System Messages, Classes of Inmarsat-C SES and their EGC reception.
- To demonstrate basic working knowledge of the relevant IMO convention concerning SOLAS, MARPOL, Load Line, ISM Code, ISPS Code and STCW-95 with regards to contents, objectives, application, amendments, compliance with legislative requirements regarding safety, security and environmental protection.
- Merchant shipping act, 1958 (security of ships and port facilities) Familiar with the guide to maritime security and the ISPS code, Security responsibilities of governments & their national authorities, Security responsibilities of port facility and port operator.
- Use of Radar and ARPA to maintain safety of navigation, how to maintain effective radar watch
- General ship terms which are used in arrival/departure/ loading/discharging messages
- Firefighting basic knowledge on the types of fires and fire extinguishers, fixed extinguishing systems and knowledge of fire/smoke/heat detectors
- Cyber security, knowledge of cyber security best practices for the IT/OT environment, how to minimize the attack and threat vectors, and be vigilant and proactive defence against adversaries.
- Log book, knowledge of the daily record of the operation, Summary of communication relating to distress, urgency and safety traffic, record of important incidents connected with the Radio service. Of the port.
- Knowledge of "The Major port Authorities Act,2021.
- Knowledge of "The Indian Ports Act,1908

Note:

*** Duration for C.B.R.T : 90 Minutes**

***Maximum Marks for C.B.R.T : 75 Marks**