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| Seafarer ID |  | Date and Time |  |
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| Name |  | Exam location |  |
|  |  |  |  |
| Duration |  | Examiner |  |

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| Certificate Type |  | Result |  |

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| Certificate Capacity |  | Purpose |  |

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| Operations | |
| Classification societies, who / what are they / functions |  |
| Frequency of statutory musters and drills |  |
| ISM code / objectives / DP / position descriptions / prevention of pollution |  |
| ISPS code / definitions / objectives / role of company and ship security officer |  |
| International conventions / MARPOL / SOLAS / Ballast Water / MLC |  |
| International ship inspection regimes / PSC / FSC and purpose |  |
| Joining ship / handing over / responsibilities and duties |  |
| Marine orders / SMS certificates / marine notices |  |
| OH&S legislation / purpose of act / PIN / prohibition notices / safety meetings / duty of care / psychological wellbeing / drydocking issues |  |
| Responsibilities and duties |  |
| Ships records, GRB, ORB, approved stability information |  |
| Statutory certificates, validity of certificates |  |
| Types of surveys / preparation of surveys |  |
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| Standards of watchkeeping | |
| BRM principles |  |
| Fitness for duty |  |
| Maintaining a proper lookout |  |
| Maintaining an anchor watch |  |
| Navigation in restricted visibility / congested waters |  |
| Navigation with a pilot on-board |  |
| Performing the navigational watch / Position fixing / Use of charts / Use of equipment |  |
| Protection of the marine environment |  |
| Taking over the watch / handing over the watch |  |
| Voyage planning |  |
| Watch-keeping Records / night orders / standing orders |  |
| Watch-keeping arrangements |  |
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| Bridge equipment | |
| AIS precautions / BNWAS / VDR |  |
| ARPA use and precautions |  |
| ECDIS use and precautions |  |
| Emergency steering procedures |  |
| RADAR types / presentation / setting up of RADAR / testing / precautions |  |
| Testing of bridge equipment |  |
| Use of 'S' band 10-cm and 'X' band 3-cm radar |  |
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| Stress and stability | |
| Basic knowledge of loading / ballasting techniques to reduce stress |  |
| Basic knowledge of the use and testing of loading instrument |  |
| Effect of density on draft |  |
| FWA / DWA calculation |  |
| Free surface effect / angle of loll |  |
| IMO minimum stability criteria |  |
| Knowledge and use of shipboard stability information |  |
| Knowledge of different types of shipboard stresses / shear force / bending moments |  |
| Load line diagram |  |
| Movement of 'G' with movement of weights |  |
| Principles of flotation |  |
| Reading draft marks |  |
| Seasonal zones |  |
| Stability definitions |  |
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| Navigation-charts and publications | |
| Altitudes / meridian passage |  |
| Basic tidal calculations / chart datum |  |
| Chart corrections / correction of publications |  |
| Chart symbols abbreviations / interpretation and use of info on charts |  |
| Gyro / magnetic compass errors / variation / deviation |  |
| Large and small-scale charts / routeing charts |  |
| Notice to mariners |  |
| Navigation warnings / EGC / MSI |  |
| Ship reporting systems |  |
| Types and uses of different types of charts |  |
| Various methods of obtaining compass errors |  |
| Various position fixing methods and obtaining of position lines |  |
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| Cargo work | |
| Cargo handling equipment / MO32 issues |  |
| Cargo securing / cargo securing manual |  |
| Confined space entry / precautions / gas monitoring equipment / drills |  |
| Failure of cargo gear / heavy lift precautions |  |
| IMDG Code / documentation / dangerous goods - segregation and marking / DOC |  |
| Issues relating to bridge visibility |  |
| Loading and discharging precautions |  |
| Maintaining cargo watch / maintaining records |  |
| Ship - shore checklist / bulk cargo publications |  |
| Special types of cargoes and cargo vessels e.g. livestock |  |
| Statutory requirements / testing and inspection of equipment / records |  |
| Tanker operations / tanker definitions / Inert gas / tanker publications |  |
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| Ship handling | |
| Effect of UKC on ship's manoeuvrability |  |
| Effect of wave impact on vessels structure |  |
| Launching rescue/survival craft in adverse weather |  |
| Mooring and unmooring / dredging anchor |  |
| Preparations for picking up pilot / embarking / disembarking |  |
| Preparations for anchoring / choosing anchorage / anchoring in adverse weather / dragging anchor |  |
| Preparations for heavy weather / handling a vessel in adverse weather conditions |  |
| Reversible and CPP propellers / bow thrusters |  |
| Ship & tug interaction / safety of tug |  |
| Ship squat / factors affecting squat /  UKC / bank effect / interaction |  |
| Turning ship short round / transverse thrust / use of anchor for manoeuvring |  |
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| Prevention of pollution | |
| Action to be taken in event of a pollution incident |  |
| Action to be taken to prevent pollution |  |
| Applicable Australian legislation |  |
| Garbage Management Plan / Garbage Record Book |  |
| Precautions while bunkering |  |
| SOPEP / MARPOL & Annexes |  |
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| Emergency situations / response and equipment | |
| Action in event of grounding / collision |  |
| Action to be taken in event of dragging anchor |  |
| Action to be taken in event of piracy |  |
| Being taken in tow / use of emergency towing equipment |  |
| Distress / urgency / safety messages |  |
| Helicopter procedures |  |
| MOB / rescue of persons in water |  |
| Means of controlling fire / flooding on board ship |  |
| Obligations to render assistance |  |
| Onset of heavy weather / TRS / avoidance of TRS |  |
| Principles of damage control |  |
| Response to emergency in port |  |
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| Dry docking | |
| Preparations for docking and stability issues |  |
| Procedure prior to leaving dock |  |
| Types of docks |  |
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| Search and rescue | |
| Communications |  |
| Distress / urgency / safety messages |  |
| SAR publications / IAMSAR manual |  |
| SAR procedures |  |
| Use and testing of SARTs, EPIRBs |  |
| Use of RADAR for SAR |  |
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| Essential shipboard equipment and machinery | |
| Anchors and cables / davits / lifeboat falls / pilot ladders |  |
| Knowledge of survival techniques |  |
| Maintenance of bilges and ballast tanks |  |
| Maintenance records / planned maintenance |  |
| Lifeboat release and retrieval systems / launching procedures and precautions |  |
| Organisation of musters and drills |  |
| Practical knowledge of associated safety aspects and precautions related to operating equipment |  |
| Practical operation of various types of shipboard firefighting and lifesaving equipment / EEBD’s |  |
| Types of fire detection systems |  |
| Use of SCBA / emergency fire pumps / emergency shut-offs |  |
| Watertight integrity of the ship / hatch covers / ship side openings / bow & stern doors |  |
| Rules of the road | |
| Collision avoidance using radar |  |
| IALA Maritime buoyage system – Region A |  |
| RADAR plotting |  |
| Rule 19 |  |
| Rules 1, 2, 3 & Annexes |  |
| Rules 20 - 31 |  |
| Rules 32 - 35 |  |
| Rules 4 - 18 |  |
| Use of RADAR for collision avoidance |  |
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| English language | |
| Ability to communicate to a satisfactory standard in the English language |  |