

Marine Engineering Knowledge

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this book covers the general engineering knowledge required by candidates for the department of transport s certificates of competency in marine engineering class one and class two the text is updated throughout in this third edition and new chapters have been added on production of fresh water and on noise and vibration reference is also provided to up to date papers and official publications on specialized topics these updates ensure that this little volume will continue to be a useful pre examination and revision text marine engineers review january 1992

the essential coursebook for all students studying general marine engineering general engineering knowledge for marine engineers considers the different needs of those studying general marine engineering including the most recent changes to the merchant navy syllabus and current pathways to a sea going engineering career accessibly written and clearly illustrated with technical engineering drawings it covers all the latest equipment practices and trends in marine engineering it incorporates the 2010 manila amendments particularly relating to management this latest edition reflects all the developments in the field including updates and additions on amongst other things sustainable ships systems hybrid power and energy management systems battery technology and hydrogen fuel cells biofuels waste heat recovery corrosion of metals in sea water solas rules on steering ships electric vehicle battery fires the book includes test examples for student self assessment and these have also been reviewed and updated to ensure this volume remains current

an authoritative guide to modern equipment found in merchant ships focusing on motor propulsion for marine engineers

this is a specific examination guide based on the syllabuses of motor engineering knowledge for class 2 and class 1 marine engineer motor certificates and motor endorsements there is also a selection of questions of the type set in the exams for first and second class engineers

this book is a companion to volume 8 in the same series and is a specific examination guide for the syllabuses of motor engineering knowledge for the second and first class marine engineers motor certificates and endorsements subjects covered include basic cycles indicator diagrams starting and reversing systems cylinders pistons crankshafts and deflections medium speed diesel engines governors control waste heat systems and crankcase explosions also included are typical exam questions for practice

developed to complement reeds vol 12 motor engineering for marine engineers this textbook is key for all marine engineering officer cadets accessibly written and clearly illustrated general engineering knowledge for marine engineers takes into account the varying needs of students studying general marine engineering recognising recent changes to the merchant navy syllabus and current pathways to a sea going engineering career it includes the latest equipment practices and trends in marine engineering as well as incorporating the 2010 manila amendments particularly relating to management it is an essential buy for any marine engineering student this new edition reflects all developments within the discipline and includes updates and additions on amongst other things corrosion water treatments and tests refrigeration and air conditioning fuels such as lng and lpg insulation low sulphur fuels fire and safety plus updates to many of the technical engineering drawings

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this book is the core guide focusing on the knowledge needed for passing the engineering certificate of competency coc examinations this key textbook takes into account the varying needs of studen

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