

# List of Text Books

## Type-01: Basic Naval Architecture, Hydrostatics and Stability:

SL. No.	Name of Books	Author	No. of Copies
01	Introduction of Naval Engineering	Blank, Bock & Richardson	04
02	Element of Ship Design	Monro Smith	01
03	Basic Ship Theory	Rawson & Tupper	01
04	Modern Marine Engineering, Vol-1	A. C. Hardy	01
05	Theoretical Naval Architecture (Photocopy Hard Binding)	Edward L. Attwood	02
06	Naval Architecture -1	Engineer Md. Tazul Islam	01
07	Naval Architecture: Examples & Theory	B. Baxter	04
08	Ship and Naval Architecture	R. Munro Smith	01
09	Modern Ship Design	Thomas C. Gillmer	01
10	Principles of Naval Architecture Series (Intact Stability)	Colin S. More	11
11	Ship Design and Performance for Masters and Mates	Dr. C. B. Barrass	02
12	Dynamics of Marine Vehicles	Rameswar Bhattacharyya	05
13	Ship Hydrostatics and Stability	Adrian Biran	02
14	Theoretical Naval Architecture	Edward L. Attwood	20
15	Basic Ship Theory (Volume-I)	K. J. Rawson & E.C. Tupper	11
16	Basic Ship Theory (Volume-II) Fifth Edition	K. J. Rawson & E.C. Tupper	11
17	Introduction to Naval Architecture (3 <sup>rd</sup> Edition)	Eric Tupper	11
18	Ship Stability for Masters and Mates (6 <sup>th</sup> Edition)	C.B. Barrass & D.R. Derrett	08
19	Introduction to Marine Engineering	D. A. Taylor	04
20	The Geometry of Ship	John S. Letcher Jr.	11
21	Dynamics of Marine Vehicles Part-I	R. Battacharyya	01
22	Dynamics of Marine Vehicles Part-II	R. Battacharyya	01
23	Ship Knowledge A Modern encyclopedia	K. van Dokkum	01
24	Ship Stability for Masters and Mates <b>(Photocopy Binding Book)</b>	Captain D.R. Derrett. Revised by Dr.C.B. Barrass	01

25	Basic Naval Architecture (Photocopy Binding Book)	Kenneth C. Barnaby	01
26	The Principles of Naval Architecture Series: Intact Stability.	Colin S. Moore	01
27	The Principles of Naval Architecture Series: The Geometry of Ships.	John S. Letcher, Jr.	01
28	Introduction to Practical Marine Engineering, V-I Text	Alan L. Rowen & Others	01
29	Introduction to Practical Marine Engineering, V-II Figures	Alan L. Rowen & Others	01
30	Ship Performance.	C. N. Hughes	01

**Type-02: Fluid Mechanics:**

SL. No.	Name of Books	Author	No. of Copies
01	Hydraulics and Fluid Mechanics	E. H. Lewitt	05
02	Computational Fluid Dynamics-A Practical Approach	Jiyuan Tu, Guan Heng Yeoh & Chaoqun Liu	01
03	Computational Fluid Dynamics An Introduction.	John F. Wendt- Editor	01
04	Fundamentals of Aerodynamics [In SL Units]	John D Anderson Jr.	01
05	A Textbook of Hydraulics, Fluid Mechanics and Hydraulic Machines (SI Units)	R. S. Khurmi	01
06	Computational Fluid Dynamics	Frederic Magoules	01
07	Aerodynamics for Engineering Students	E.L. Houghton, P.W. Carpenter, Steven H. Collicott & Deniel T. Valentine	02
08	Practical Ship Hydrodynamics	Volker BertRam	02
09	Applied Hydrodynamics	H. R. Vallentine	05
10	Fluid Mechanics	Pijush K. Kundu, Ira M. Cohen & David R. Dowling	02
11	Advanced Fluid Mechanics	W. P. Graebel	02
12	Applied Hydrodynamics	H. R. Vallentine	11
13	Computational Methods for Fluid Dynamics	J. H. Ferziger, M. Peric	03
14	Hydrodynamics	P.P. Gupta	01

15	Fluid Mechanics, Hydraulics and Hydraulic Machines	K. R. ARORA	01
16	Hydrodynamics	Md. Motiur Rahman	02
17	Hydraulics and Fluid Mechanics.	E. H. Lewitt	01

**Type-03: Thermodynamics:**

SL. No.	Name of Books	Author	No. of Copies
01	Mechanics and Heat	Hugh D. Young	01
02	Microscopic Thermodynamics	Felix J. Pierce	01
03	Elements of Applied Thermodynamics	R. M. Johnston, W. A. Brockett, A. E. Bock	01
04	A Course in Thermodynamics Volume -II	Joseph Kestin	01
05	Heat Transfer	J. P. Holman	01
06	Principles of Heat Transfer	Frank Kreith	01
07	Introduction to Refrigeration and Air Conditioning	Dr. M. H. Khan	02
08	Introduction to Metallurgical Thermodynamics	Devid R Gaskell	02
09	A Textbook of Refrigeration and Air Conditioning	R. S. Khurmi & J. K. Gupta	01
10	Heat Transfer	J.P. Holman & Sourik Bhattacharyya	01
11	Marine Boiler's (3 <sup>rd</sup> Edition)	G.T.H. Flanagan	03
12	Pounders Marine Diesel Engines and Gas Turbines	Doug Wood Yard	03
13	Marine Diesel Engines.	Akber Ayub	01

**Type-04: Structure, Fracture mechanics and FEM:**

SL. No.	Name of Books	Author	No. of Copies
01	Advances in Berthing and Mooring of Ships and Offshore Structures	Eivind Bratteland	01
02	Kinematics and Design of Mechanisms	Alexander Cowie	01
03	Mechanics	Symon	01
04	The Theory of Machines	Thomas Bevan	01
05	Servomechanism	Bulliet	01

06	Muckle's Naval Architecture	W. Muckle	02
07	Metallurgy and Metallurgical Engineering Series	George L. Kehl	02
08	Mechanical Metallurgy	George E. Dieter	02
09	Introduction to Physical Metallurgy	Sidney H Avner	02
10	Ship Hull Vibration	F. H. TOOD	05
11	Buckling of Ship Structures	Mohamed Shama	01
12	Torsion and Shear Stresses in Ship	Mohamed Shama	01
13	Construction of Marine and Offshore Structures	Ben C. Gerwick, Jr.	01
14	Theory of Machines	R. S. Khurmi & J. K. Gupta	01
15	Strength of Materials and Structures	John Case, Lord Chilver & Carl T. F. Ross	02
16	Theory of Plasticity	J. Chakrabarty	02
17	Mechanics of Materials	Christopher H.M. Jen Kins & Sanjeev K. Khanna	02
18	Structural and Stress Analysis	T. H. G. Megson	02
19	Structural Analysis-in Theory and Practice	Alan Williams	02
20	The Finite Element Method its Basis and Fundamentals	O. C. Zienkiewicz, R. L. Taylor & J. Z. Zhu	04
21	The Finite Element Method in Engineering	Singiresu S. Rao	02
22	Strength of Materials	Timoshenco	01
23	Vibrations, Dynamics and Structural System	Madhujit Mukhopadhyay	01
24	Mechanical Vibration and Noise Control	Dr. Sadhu Singh	01
25	Theory and Problems of Mechanical Vibrations	William W. Seto	01
26	An Introduction to the Finite Element Method	J. N. Reddy	01
27	Fundamentals of Finite Elements for Engineers	B. NATH	01
28	Finite Element Analysis	S. S. Bhavikatti	01
29	Some Basic Problems of the Mathematical Theory of Elasticity	N.I. Muskhelishvili	01
30	A Guide to ship Vibration-1984	Nippon Kaiji Kyokai	01

31	Dynamics of Offshore Structures	Janes F. Wilson, Editor	10
32	Offshore Hydromechanics (First Edition)	J.M.J. Journee & W.W. Massie	10
33	Introduction to Finite Elements in Engineering	Tirupathi R. Chandrupatla & Ashok D. Belegundu	01
34	Large Floating Structure, Technological Advances Ocean Engineering and Oceanography-3.	C. M. Wang & B.T. Wang Editors	01
35	Dynamic Analysis and Design of Offshore Structure Ocean Engineering and Oceanography-3.	Srinivasan Chandrasekaran	01
36	Fundamentals of Structural Dyanmics-2 <sup>nd</sup> Edition	Roy R. Carig & Andrew J. Kurdila	01
37	Structural Analysis-6 <sup>th</sup> Edition	R. C. Hibbeler	01
38	Structural Analysis (Oxford Higher Education)	T. S. Thandavamoorthy	01
39	Ship Structural Analysis and Design	Owen F. Hughes	02
40	Ultimate limit State Design of Steel-Plated Structures.	Jeom Kee Paik & Anil Kumar Thayaballi	01
41	Formulas for Stress, Strain and Structural Matrices-2ed	Walter D. Pilkey	01
42	A First Course in the Finite Element Method-5 <sup>th</sup> ed	Daryl L. Logan	03
43	Concepts and Applications of Finite Element Analysis 4ed	Robert D. Cook And others	01
44	Applied finite Element Analysis-2 <sup>nd</sup> Edition	G. Ramamurty	01
45	Finite Elements Analysis in Engineering Design.	S. Rajasekaran	01
46	Finite Element Analysis of Composite Materials Using ABAQUS <sup>MT</sup>	Ever J. Barbero	01
47	Introduction to Finite Element Analysis Using MATLAB <sup>(R)</sup> and ABAQUS	Amar Khennane	01
48	Mechanical Vibrations 4 <sup>th</sup> Edition	Singiresu S. Rao	02
49	Elements of Fracture Mechanics	Prashant Kumar	01
50	Peterson's Stress Concentration Factors-3 <sup>rd</sup> Edition	W. D. Pilkey & D. F.Pilkey	01
51	The Principles of Naval Architecture Series: Vibration	William S. Vorus	02

52	Solving Vibration Analysis Problems Using MATLAB	Rao V. Dukkipati	02
53	Handbook of Nondestructive Evaluation-2 <sup>nd</sup> Edition	Charles J. Hellier	01
54	Vibration and Acoustics: Measurement and Signal Analysis	C. Sujatha	01
55	Finite Elements Analysis-3 <sup>rd</sup> Edition	S. S. Bhavikatti	05
56	Matrix Methods of Structural Analysis	S. S. Bhavikatti	03
57	Problems and Solutions in Engineering Mechanics.	S. S. Bhavikatti & A. Vittal Hegde	01
58	Marine and Offshore Engineering	T. V. Ramakrishnan	01
59	Offshore Engineering	T. V. Ramakrishnan	01
60	Sea Loads on Ships and Offshore Structures	O. M. Faltinsen	01
61	Ship- Shaped Offshore Installations: Design, Building and Operation	Jeom Kee Paik & Anil Kumar Thoyamballi	01
62	Offshore Structures Design, Construction and Maintenance	Mohamed A. El-Reedy	01
63	Offshore Structures V-I Conceptual Design and Hydrodynamics	Gunther Clauss, Eike Lehmann & Carsten Ostergard	01
64	Offshore Structures V-II Strength and Safety for Structural Design.	Gunther Clauss, Eike Lehmann & Carsten Ostergard	01
65	Rigid Finite Element Method in Analysis of Dynamics of Offshore Structures.	Edmund Wittborodt and Others	01
66	Fatigue and Fracture Mechanics of Offshore Structures	L. S. Etube	01
67	Principles of Naval Architecture Series: Strength of Ships and Ocean Structures.	Prof. Alaa Mansour & Others	02
68	Mechanical Vibrations.	S. Graham Kelly	01
69	Ship Structural Analysis and Design	Owen F. Hughes and Jeom Kee Paik	01
70	Load and Global Response of Ship	J.J. Jensen	01
71	Offshore Structure Design, Construction, and Maintenance	Mohamed A. El-Reedy, Ph.D.	01

**Type-05: Ship design, construction and maintenance:**

SL. No.	Name of Books	Author	No. of Copies
01	The U. S. Shipbuilding Industry	C. H. Whitehurst, Jr.	02

02	Model Sailing Ships Design and Construction	Robert F. Brien	01
03	Modern Combat Ship-4, Type -22	Leo Marriott	01
04	Dictionary of Ship Types	Alfred Dudszus & Ernest Henriot	01
05	Modern Fishing Gear of the World	The Technical Staffs of Fishing News International and Fishing News	01
06	The Basics of Oil Spill Cleanup	Mervin F. Fingas, Wayne S. Duval & Gail B. Stevenson	01
07	Ship Design	Department of N. A. M. E	03
08	Task Force	Boat Showrooms of London Ltd.	01
09	Manual on Oil Pollution (Section -IV	Inter Governmental Maritime Consultative Organization	01
10	cÖv_wgK BwÄwbqvwis W <sup>a</sup> Bs	kÖx‡ngšÍ Kzgví fÆvPvh©”	01
11	Corrosion Engineering	Nooruddin Ahmed & Iqbal Mahmud	02
12	Design and Construction of Ports and Marine Structures	Quinn	02
13	Rational Welding Design	Gray & Spence	02
14	Merchant Ship Design	Munro Smith	05
15	Advanced Welding Processes	John Norrish	01
16	Ship Construction	D. J. Eyres	11
17	How to Design a Boat, Second Edition	John Teale	10
18	Designing Dredging Equipment	Prof. Ir. W.J. Vlasblom	10
19	Practical Ship Design (Photocopy Binding Book)	Devid G. M. Watson	01
20	Ship Design: Methodology of Preliminary Design.	Apostolos Papanikolaou	01
21	The Maritime Engineering Reference Book: A Guide to Ship Design, Construction and Operation.	Edited by Anthony F. Molland	01
22	Ship Construction	D. J. Eyres & G. J. Bruce	02
23	Concept in Submarine Design: (Cambridge Ocean Technology Series-2)	Roy Burcher & Louis Rydill	01
24	Ship Design and Construction, Volume-I	Tomas Lamb (Editor) SNAME	01
25	Ship Design and Construction, Volume-II	Tomas Lamb (Editor) SNAME	01

26	Fiberglass Boat Design and Construction	Robert J. Scott	01
27	Submersible Vehicle Systems Design	E. Eugene Allmendinger	01
28	Computer Aided Design and Manufacturing.	K. Lalit Narayan, K. M. Rao & M.M.M Sarcar	01
29	Port Engineering: Planning, Construction, Maintenance and Security.	Gregory P. Tsinker	01
30	Port Engineering (Planning, Construction, Maintenance, and Security)	Gregory P. Tsinker	01
31	Submarine	John Marriott	01

**Type-06: Maritime Economics:**

<b>SL. No.</b>	<b>Name of Books</b>	<b>Author</b>	<b>No. of Copies</b>
01	Double Taxation Relief for Shipping	Newns and Parrington	01
02	Merchant Shipping	E. R. Hardy Ivamy	01
03	Port Operation & Shipping	C. Stanley Nettle	01
04	Economics of Shipping Practice & Management	Alan E. Branch	01
05	The Business of Shipping	Chapman & Hall	01
06	Shipping in International Trade Relations	Ademuni Odeke	01
07	The Business World Introduction to Business Reading	Monsen & Saxberg	01
08	The Physical Geography of the Oceans	C. H. Cotter	01
09	Bangladesh Tide Tables	BIWTA	01
10	Glossary of Marine Technology Terms	Heinemann	01
11	Port of Plymouth Series Merchant Shipping	Martin Langley & Edwina Small	01
12	Maritime Studies & Management, Volume -III	Taylor & Francis Ltd.	01
13	International Shipping	Bruce Farthing	01
14	Production Management	Franklin G Moore	02
15	Liner Shipping Economic	J.O. Jansson and D. Shneerson	01
16	Futures and Options for Shipping	Jemes Whiteside Gray	01
17	Engineering Economics and Ship Design	I. L. Buxton	09
18	Engineering Economics Analysis	Donald G. Newman, Ted G. Eschenbach & Jerome P Lavelle	01

19	Ship Design for Efficiency and Economy	H. Schneekluth & V. Bertram	09
20	Theory and Problems of Engineering Economics	Jose A. Sepulveda, Ph. D William. Souder, Ph. D & Byrons. Gottfried, Ph. D	03
21	Maritime Economics 3ed	Martin Stopford	01
22	Energy and Ship	Andrew G. Spyron	01
23	Business	Sielaff & Aderle	01

**Type-07: Resistance and Propulsion:**

SL. No.	Name of Books	Author	No. of Copies
01	Resistance and Propulsion ( section 11 to17)	Society of Naval Architecture and Marine Engineering (SNAME)	01
02	Voith (Schneider Propulsion)		01
03	Mechanization of Country Boats	Abdur Rahim	10
04	Ship Resistance and Propulsion	Molland, Turnock & A. Hudson	01
05	The Resistance and Propulsion	Durand, William Frederick	01
06	Marine Propellers and Propulsion	John Carlton	02
07	Marine Auxiliary Machinery	H. D. McGeorge	02
08	Fundamentals of ship Resistance and Propulsion	Ir. A.J.W. Lap & Dr. Ir. J.D. VAN Manen	01
09	A Guide to Energy Saving in Marine Propulsion System-1982	Nippon Kaiji Kyokai	01
10	Ship Resistance and Propulsion: Practical Estimation of Ship Propulsive Power.	Anthony F. Molland, Stephen R. Turnock & D. A. Hudson	01
11	Principles of Naval Architecture Series: Propulsion.	Justin E. Kerwin & Others	02
12	The Principles of Naval Architecture Series: Ship Resistance and Flow.	Lars Larsson & Hoyle C. Raven	02
13	Long Tail Outboard Motors	G. C. Medina	01

**Type-08: Ship Navigation and Safety:**

SL. No.	Name of Books	Author	No. of Copies
01	The Principles & Practice of Navigation	A. Frost	01
02	Practical Yacht Navigation	Kenneth Wilkes	01

03	Emergency Navigation	David Burch	01
04	Basic Coastal Navigation	Conrad Dixon	01
05	Compact Data for Navigation & Astronomy for The Years 1986-1990	B. D Yallop & C. Y. Hohenken Kerk	01
06	The Practical Pilot	Leonard Eyges	01
07	Disasters at Sea	Milton H. Watson	01
08	Troubleshooting Netware for the 386	Michael Day & Ken Neff	01
09	Af śíixb †bŠhv‡bi ~N©Ubv cÖwZ‡iva: AvBb I wewa	‡gvt gCbDwĭb RyjwdKvi	08
10	The History of Class NK 1899-1999, A. Class Act	Peter E Firth	01
11	Stability and Safety of Ship	L.K. Kobylinsk & S. Kastner	02
12	Technology and Safety of Marine Systems	A. Pillay & J. Wang	02
13	Collision Avoidance Rules (6 <sup>th</sup> Edition)	A.N. Cockcroft & J.N.F. Lameijer	04
14	Stability and Safety of Ships, Risk of Capsizing	V.L. Belenky & N.B. Sevastianov	01
15	Casebook on Shipping Law	E. R. Hardy Ivamy	01
16	Fundamentals of Sensors for Engineering and Science	Patrick F. Dunn	01
17	Digital Control Engineering Analysis and Design	M. Sami Fadali & Antonio Visioli	02

**Type-09: Sessional Related:**

SL. No.	Name of Books	Author	No. of Copies
01	Auto CAD -2000 Bible	Ellen Finkelstein	01
02	Auto CAD -2000 (3D Modeling a Visual Approach)	John Wilson	01
03	An Introduction to Auto CAD -2000	A. Yarwood	01
04	Object- Oriented Programming in C++	Robert Lafore	01
05	Elementary Numerical Analysis	Samuel D. Conte/Carl de Boor	01
06	Numerical Methods	E Balagurusamy	01
07	Applied Numerical Analysis	Curtis F. Gerald & Patrick O. Wheatley	01
08	Introductory Methods of Numerical Analysis	S.S. Sastry	01

09	MATLAB a Practical Introduction to Programming and Problem Solving	Stormy Attaway	02
10	Essential MATLAB	Brian H. Hahn & Deniel T. Valentine	02
11	Introduction to Programming with FORTRAN	Ian D. Chivers & Jane Sleightholme	04
12	Numerical Method	E. Balagurusamy	01
13	Numerical Analysis	A.R. Vasishtha & Vipin Vasishtha	01
14	Introduction to Fortran 90/95	Stephen J. Chapman	01
15	Introduction to C++ Programming and Graphics	C. Pozrikidis	01
16	Fortran 95/2003 for Scientists and Engineers	Chapman	01
17	Guide to Fortran 2003 Programming	Walter S. Brainerd	01
18	Numerical Quadrature and Solution of Ordinary Differential Equation	A. H. Stroud	01
19	C++ How to Program 9ed	Paul Deitel & H. Deitel	01
20	Numerical Methods in Engineering with Python 2ed	Jaan Kiusalaas	01
21	Python for Scientists	John M. Stewart	01
22	C++ Programming: Principles and Practices for Scientists and Engineers.	Gary J. Bronson	01
23	Programming Finite Elements in Java™	Gennadiy Nikishkov	01
24	CAD/CAM Theory and Practice 2ed	Ibrahim Zeid & R. Sivasubramanian	02
25	Optimal Experimental Design with R	Dieter Rasch, Jurgen Pilz, Rob Verdooren & Albrecht Gebhardt	01
26	Introduction to System Modeling and Simulation	Nandini Prasad K.S & Dinakar K. S	02

**Type-10: Miscellaneous**

SL. No.	Name of Books	Author	No. of Copies
01	Brave Ship Brave Men	Arnold S. Lott	01
02	Swatch ways and Little Ship	Maurice Griffiths	01
03	The Royal Navy & the Falklands War	David Brown	01

04	Careers in Naval Architecture	The Royal Institution of Naval Architecture	01
05	How to Write Scientific and Technical Papers	Sam F. Trelease	01
06	Operations Research: An Introduction	Hamdy A. Toha	01
07	Twenty Years of Ship Research at IHI with the ship Model Basin 1966-1986	Research Institute Ishika-Wajima-Harim Heavy Institute Co. Ltd.	01
08	Operations Research an Introduction (6 <sup>th</sup> Edition)	Hamdy A. Taha	01
09	Elements of Ocean Engineering	Robert E. Randall (SNAME)	02
10	Mathematical Elements for Computer Graphics 2ed	David F. Rogers & J. Alan Adams	01
11	Engineering Mathematics 7ed	K. A. Stroud & K. J. Booth	01
12	Advanced Engineering Mathematics 5ed	K. A. Stroud & K. J. Booth	01
13	Mathematics for Computer Graphics (Undergraduate Topics in Computer Science) 4ed	John Vince	01
14	Naval Architecture for Non-Naval Architects.	Harry Benford	01