

## ISRO Exam 2023 Preparation Books

### Subjects

### Name of Books

#### Mechanical Engineering ISRO Books

Fluid Mechanics	A Textbook of Fluid Mechanics by R. K. Bansal
Strength of Materials	Mechanics of Materials by B. C. Punmia
Theory of Machines and Vibrations	Theory of Machines by S S Rattan
Heat-Transfer	Heat Transfer 10th revised Edition by J. P. Holman
Industrial Engineering	Industrial Engineering and Management by O. P. Khanna
Manufacturing	Manufacturing Science by A. Ghosh & A. K. Mallik
Machine Design	Design of Machine Elements by V Bhandari
Engineering Mechanics	Engineering Mechanics by R. K. Rajput
Thermodynamics	Engineering Thermodynamics by P.K. Nag
Engineering Mathematics	Higher Engineering Mathematics by B. S. Grewal

#### Computer Science Engineering ISRO Books

Programming & Data Structures	The C Programming language by Brian W. Kernighan, Dennis M. Ritchie
Algorithms	Introduction to Algorithms by Thomas H. Cormen, Charles E. Leiserson, Ronald L. Rivest, and Clifford Stein
Computer Organization	Computer Organization and Architecture by Hamacher, Vranesic, Zaky
Compiler Design	Compilers: Principles, Techniques and Tools by Alfred V. Aho, Ravi Sethi, D. Jeffrey Ulman
Computer Networks	Computer Networking: A Top-Down Approach by James F. Kurose, Keith W. Ross
Database	Database System Concepts by Silberschatz, Sudarshan, Korth
Digital Logic	Digital Logic & Computer Design by M. Morris Mano
Engineering Mathematics	Higher Engineering Mathematics by B. S. Grewal
Operating Systems	Operating System Concepts by Silberschatz, Galvin, Gagne
Programming & Data Structures	The C Programming language by Brian W. Kernighan, Dennis M. Ritchie
Image processing	Digital Image Processing by Esakirajan, Veeramani
Theory of computation	An Introduction to Formal Languages and Automata by Peter Linz
Microprocessor	Microprocessor Architecture Programming and Application by Ramesh Gaonkar

#### Electronics Engineering ISRO Books

Electromagnetics	Principles of Electromagnetics by Mathew N.O. Sadiku
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Communications	Principles of Communication Systems by Goutam Saha, Herbert Taub, Donald Sch
Electronic Devices	Semiconductor Physics and Devices by Donald A. Neaman, Dhrubes Biswas
Networks	Fundamentals of Electric Circuits by Charles K. Alexander, Matthew N. O. Sadiku
Analog Circuits	Microelectronic Circuits: Theory and Applications by Adel S. Sedra, Kenneth C. Sm
Digital circuits & Microprocessor	Digital Logic and Computer Design by M. Morris Mano
Control Systems	Automatic Control Systems by Benjamin C. Kuo
Signals and Systems	Signals & Systems by Allan V. Oppenheim, Alan S.Willsky, S.Hamid Nawab
Engineering Mathematics	Higher Engineering Mathematics by B. S. Grewal
Microwave Engineering	Microwave Engineering by David Pozar
<b>Civil Engineering ISRO Books</b>	
Fluid Mechanics & Hydraulics	Hydraulics and Fluid Mechanics by Dr. P.N.Modi, Dr.S.M Seth
Strength of Materials	<ul style="list-style-type: none"> <li>Strength of Materials by U.C.Jindal</li> <li>Mechanics of Materials by Gere &amp; Timoshenko</li> </ul>
Transportation Engineering	Khanna & Justo
Hydrology & Irrigation	<ul style="list-style-type: none"> <li>Engineering Hydrology by K Subramanya</li> <li>Irrigation Engineering and Hydraulic Structures by S.K Garg</li> </ul>
Soil Mechanics & Foundation Engineering	<ul style="list-style-type: none"> <li>Basics and Applied Soil Mechanics by Gopal Ranjan</li> <li>Soil Mechanics &amp; Foundation Engineering by Dr. K.R. Arora</li> </ul>
Environmental Engineering	Environmental Engineering by S.K.Garg (Vol.1 and 2)
Design of steel structures	Design Of Steel Structures by S.K Duggal
R.C.C Design	<ul style="list-style-type: none"> <li>R.C.C. Designs (Reinforced Concrete Structures) by B.C.Punmia</li> <li>R.C.C. Designs (Reinforced Concrete Structures) by U.Pillai and D.Menon</li> </ul>
Surveying (Geomatics)	Surveying (vol. 1,2,3) by B.C.Punmia
Engineering Mathematics	Higher Engineering Mathematics by B. S. Grewal
Structural Analysis	Basic Structural Analysis by C.S.Reddy
<b>Electrical Engineering ISRO Books</b>	
Analog and Digital Electronics	Integrated Electronics: Analog And Digital Circuits And Systems by Christos C. Hall Chetan D. Parikh Jacob Millman
Control Systems	Control Systems Engineering by I.J.Nagrath, M. Gopal
Measurements & Instrumentation	A Course In Electrical And Electronic Measurements And Instrumentation by A K Sawhney

Electrical Machines	Electrical Machinery by P. S. Bimbhra
Electromagnetic Theory	Engineering Electromagnetics by William H Hayt, John A Buck
Network Theory	Circuit Theory: Analysis & Synthesis by Abhijit Chakrabarti
Power Electronics	Power Electronics by P.S.Bimbhra
Power System	Electrical Power Systems by C. L. Wadhwa
Engineering Mathematics	Higher Engineering Mathematics by B. S. Grewal
Signals & Systems	Signals and Systems by Oppenheim Alan V, Willsky Alan S, Nawab S. Hamid