

1st and 2nd Semester Book List

Mathematics

Sr No	Title	Author	Pub
1	Calculus Single & Multivariabale 3rd ed	Hughes Hallett	Wiley India
2	Calculus 5th ed	Stewart James	Cengage
3	Calculus Vol 1	Apostol Tom M	Wiley India
4	Thomas' Calculus	Weir Maurice D	Pearson
5	Calculus Vol - II	Apostol Tom M	Wiley India
6	Calculus As per GTU 2011	Shah R C	Books India
7	Elementary linear Algebra with applications 8th ed	Kanani Kailash K	Wiley
8	Linear Algebra and its applications 4th ed	Strang Gilbert	Cengage
9	Linear Algebra A geometric Approach	Kumaresan S	PHI
10	Advanced Engienering Mathematics	Kreyszig Erwin	Wiley
11	Introduction to Complex variables & Numerical Methods	Shah R C	Books India
12	Calculus and Analytic Geometry	G. B. Thomas and R. L. Finney	
13	Elementary linear algebra with applications	H. Anton,	john wiley
14	Linear algebra and its applications (4th Edition	G. Strang	Thomson

Physics

Sr No	Title	Author	Pub
1	Engineering Physics	Rajagopal K	PHI
2	Engineering Physics	Vijaykumari G	Vikas
3	Engineering Physics - As per the syllabus of GTU		Eiley
4	Engineering Physics	Naidu	Pearson
5	Non Conventional Energy Resources,2nd ed	Khan	TMH
6	Engineering Physics	Aruldhas	PHI
7	Engineering Physics	Pandey	Cengage
8	Feynman Lectures on Physics Vol-2	Feynman	Pearson
9	A Text book of Engg. Physics	M.N. Aavadhala, P. G. Kshirsagar	S.Chand
10	Engineering Physics	Abhijit Nayak	S.K. Kataria & Sons.

Engineering Graphics

Sr No	Title	Author	Pub
1	Engineering Graphics	Shah P J	S Chand
2	Elementary engineering Drawing	Bhatt N D	Charator
3	Geometrical & Machine Drawing	Bhatt N D	Charator
4	Engineering Drawing & Graphics using Auto cad 2000	Jeyapooan T	Vikas
5	A T B OF Engineering Drawing	Dhawan R K	S Chand
6	A T B OF Engineering Drawing	Gill P S	Kataria
7	Engineering Drawing With an introduction to Auto cad	Jolhe Dhananjay A	TMH
8	Engineering Graphics	Vyassa R P	Books india
9	TB of Machine Drawing	Shah P J	S Chand
10	Engineering Graphics I & II	Arunoday Kumar	Techmax
11	Computer Aided Engineering Drawing	S. Trymbaka Murthy	I.K.International

Computer Programming and Utilization

Sr No	Title	Author	Pub
1	Programming In ANSI C 5th ed	Balagurusamy E	TMH
2	Object Oriented Programming with C++	Balagurusamy E	TMH

Communication Skill

Sr No	Title	Author	Pub
1	Technical Communication	Raman Meenakshi	Oxford
2	Personality Development	Wallace Harold R	Cengage
3	Basic Communication Skills for Technology	Rutherford A J	Pearson
4	Communication skills for Technical Strudernts	Farhathullah T M	Orient Blackswan
5	Communication Skills for Eingneers	Murlikrishna C	Pearson
6	A T B of English For Engineers & Technologists		Orient Blackswan
7	Business Communication Strategies	Monippally Muthukytty M	TMH
8	A Communicaitive Grammar of English	Leech Geoffrey	Pearson
9	Communicative English 3rd ed	Khuman Prakash	Books India
10	Communicative English 3rd ed	Khuman Prakash	Books India

Elements of Civil Engineering

Sr No	Title	Author	Pub
1	Elements of Civil Engineering	Dholakia	Books India
2	Elements of Civil Engineering	Khasia R B	Mahajan

Elements of Electrical Engineering

Sr No	Title	Author	Pub
1	Electrical Technology vol 1	Theraja B.L	S Chand
2	Basic Electrical Engineering	Mittal V.N	TMH
3	Electrical Estimating & Costing	Surjitsingh	Dhanpat Rai
4	Elements of Electrical Engineering	Patel V.R	Books India

Elements of Mechanical Engineering

Sr No	Title	Author	Pub
1	Thermal Science & Engineeirng	Kumar D S	Kataria
2	Fundamentals of Mechanical Engineering	Sawhney G S	PHI
3	Thermal Engineering	Rajput R K	Laxmi
4	Introduction to Engineering Materials	Agrawal B K	TMH
5	A T B oF Elements Mechanical Engineering 3rded	Bhatt S M	Books india

Basics of Environmental Studies

Sr No	Title	Author	Pub
1	Basic of Enviromental Studies	Varandani N S	Books India

4th Sem Book List

Mathematics

Sr No	Title	Author	Pub
1	Advanced Engineering Mathematics	Kreyszig Erwin	Wiley

Automobile Engineering

Engineering Thermodynamics

Sr No	Title	Author	Pub
1	Engineering Thermodynamics	P.K. Nag	Tata McGraw-Hill
2	Engineering Thermodynamics	R.K. Rajput	Laxmi Publications
3	Fundamentals of Engineering Thermodynamics	R.Yadav	Central Publishing House
4	Thermodynamics – An Engineering Approach	Yunus Cengel & Boles	Tata McGraw-Hill

Kinematics and Dynamics of machines

Sr No	Title	Author	Pub
1	Theory of Machines	S.S.Rattan	Tata Mc Graw Hill
2	Kinematics and Dynamics of Machinery	Charles E. Wilson & J.Peter Sadler	Pearson Education publications

Mechanics of Deformable Bodies

Sr No	Title	Author	Pub
1	Mechanics of Structures Vol. I & II	S.B. Junarkar and H. J. Shah	Charotar Pub
2	Strength of Materials & Theory of Structures Vol. I & II	B.C. Punamiya	
3	Mechanics of Materials	James P. Gere, Stephen P. Timoshenko	PWS Publishing
4	Mechanics of Solids	Abdul Mubeen	Pearson Edu

Civil Engineering

Advanced Surveying

Sr No	Title	Author	Pub
1	Surveying Vol. I, II and III	Dr. B.C. Punamia	Laxmi Publishers
2	Surveying Vol. I, II and III	Dr. K.R. Arora	Standard Book House
3	Surveying Vol. I and II	S. K. Duggal	Tata Mc Graw Hill
4	Surveying and Levelling	N.N. Basak	Tata Mc Graw Hill
5	Surveying and Levelling	R. Agor	Khanna Publishers
6	Advanced Surveying	R. Agor	Khanna Publishers
7	Surveying and Leveling	Subramanian	Oxford University Press
8	Remote Sensing and GIS	B Bhatia	Oxford University Press
9	Remote sensing and Image interpretation	T.M Lillesand,R.W Kiefer,	John Wiley

Building Construction

Sr No	Title	Author	Pub
1	Building Construction	B. C. Punamia	
2	Building Construction	Sushil Kumar	
3	Building Construction	Gurcharan Singh	
4	Building Construction	S. C. Rangwala	
5	Building Construction	P.C Varghese	Prentice-Hall of India

Engineering Geology

Sr No	Title	Author	Pub
1	Principles of Engineering Geology	Bangar, K.M,	Standard Publishers
2	Structural Geology	Billings, M.P	Prentice-Hall India
3	Textbook of Engineering Geology	Kesavulu, C	Macmillan, India Ltd
4	Remote sensing and Image Interpretation,	Lilesand, T.M. and Ralph W. Keifer	John Wiley & Sons
5	Engineering Geology for Civil Engineers	Reddy, V.	Oxford University Press
6	Groundwater Hydrology	Todd, D.K	John Wiley & Sons

Structural Analysis - II

Sr No	Title	Author	Pub
1	Mechanics of Structures Vol.II	S.B. Junarkar and	Charotar Pub
2	Intermediate Structural Analysis	Wang C.K	Mc Graw Hill
3	Basic Structural Analysis	Reddy C.S	Tata Mc Graw Hill
4	Strength of materials & Theory of Structures	Dr. Punmia B. C.,	Laxmi Publications
5	Prestressed Concrete	Krishna Raju	Tata Mc Graw Hill
6	Matrix Analysis of Framed Structures	William Weaver,	CBS Publishers &

Management - I

Sr No	Title	Author	Pub
	Management - I		Books India

Computer Engineering

Microprocessor and Interfacing

Sr No	Title	Author	Pub
1	Microprocessor Architecture, Programming,	Ramesh S. Gaonkar	Penram International.
2	Microcomputers and Microprocessors: The 8080,	John E. Uffenbeck	

Object Oriented analysis design and UML

Sr No	Title	Author	Pub
1	Oriented Modeling and Design with UML	michael Blaha and	

Object Oriented Programming with C ++

Sr No	Title	Author	Pub
1	Object Oriented Programming With C++	E Balagurusamy	TMH
2	The Complete Reference C++,	Herbert Schilitz,	TMH

Operating System

Sr No	Title	Author	Pub
1	Modern Operating Systems	Andrew S. Tanenbaum	PHI
2	Operating System – Internals & Design Principles	William Stallings	PHI
3	Operating Systems	D.M.Dhamdhare	TMH
4	Unix System Concepts & Applications	Sumitabha Das	TMH
5	Unix Shell Programming	Yashwant Kanitkar	

Electrical Engineering

Control Theory

Sr No	Title	Author	Pub
1	Modern Control Engineering	Katsuhiko Ogata	PHI
2	Automatic Control Systems	Benjamin C.Kuo	John Wiley & Sons

Electrical Power

Sr No	Title	Author	Pub
1	Electrical Power Transmission and Distribution	Sivanagaraju & Satyanarayana	Pearson Edu.
2	Power System Analysis and Design	Glover, Sarma	Cengage Pub
3	Renewable Energy Sources	G.D.Rai	
4	Electrical Power	S.Luppal	

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Sr No	Title	Author	Pub
1	Microprocessor Architecture, Programming,	Ramesh S. Gaonkar	Penram International.
2	Microcomputers and Microprocessors: The 8080,	John E. Uffenbeck	

Mechanical Engineering

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Mechanical Measurement and Metrology

Sr No	Title	Author	Pub
1	Mechanical Measurement and Metrology	R K Jain	Khanna Publishers
2	Mechanical Measurement & Control	D.S. Kumar.	
3	Industrial Instrumentation & Control	S K Singh	Tata McGrawHill
4	Mechanical Measurements	Beckwith & Buck	Narosa publishing House