

ST.FRANCIS INSTITUTE OF TECHNOLOGY (ENGINEERING COLLEGE)

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**LEARNING AND INFORMATION RESOURCE CENTRE**

**FE Sem I Books - Updated on July 2022**

Subject	Title	Author	Publications	No.of Existing Books
Engineering Mathematics – I	Higher Engineering Mathematics	Dr.B.S.Grewal	Khanna Publication	22
	Advanced Engineering Mathematics – 9th ed. (8th-10, 9th-2, 10th-1)	Erwin Kreyszig	Wiley	13
	Engineering Mathematics	Srimanta Pal and Subodh C Bhunia	Oxford University	Nil
	Matrices	Shanti Narayan	S. Chand	8
	Applied Numerical Methods with MATLAB for Engineers and Scientists	Stevan Chapra	McGraw Hill	0
	Elementary Linear Algebra Application Version. 6th edition (8th-1, 11th-2)	Howard Anton and Christ Rorres	John Wiley & Sons	3
Engineering Physics- I	A text book of Engineering Physics ( 9th- 25 copy)	Avadhanulu & Kshirsagar	S.Chand	53
	A text book of Optics	N. Subramanyam & Brijlal	S.Chand	20
	Fundamentals of Optics ( 4th- 5)	Jenkins & White	Tata McGraw Hill	5
	Solid State Electronic Devices ( 6th )	B. G. Streetman	Prentice Hall	1
	Modern Engineering Physics	Vasudeva	S.Chand	10
	Concepts of Modern Physics (5th- 6, 6th-6)	Arther Beiser	Tata McGraw Hill	13
	A Text Book of Engineering Physics	S.O.Pillai	New Age Internatioal	0

	Introduction to Solid State Physics (7th -11)	C. Kittel	John Wiley & Sons	11
	Ultracapacitors: The future of energy storage	R.P.Deshpande	McGraw Hill	0
	Advance functional materials	Ashutosh Tiwari & Lokman Uzun	Scrivener Publishing	5
Engineering Chemistry – I	Engineering Chemistry (16th -14, 15th -44, 14th -1,13th -3, 12th -3)	Jain & Jain	Dhanpat Rai	69
	Engineering Chemistry (12th -5, 11th -5, 10th -1 )	Dara &Dara	S.Chand	28
	Engineering Chemistry (ISBN – 9788126519880) (2nd -5)	Wiley India	Wiley india	10
	A Text Book of Engineering Chemistry	Shashi Chawla	Dhanpat Rai	30
	Engineering Chemistry	Payal Joshi & Shashank Deep	Oxford University Press	0
	Concise Inorganic Chemistry	J D LEE		0
	Essentials of Physical Chemistry	B S Bahl ,Arun Bahl, G D TuLi		0
Engineering Mechanics	Engineering Mechanics (11th - 7 )	R. C. Hibbeler		24
	Engineering Mechanics (4th - 10 )	Beer &Johnston	Tata McGraw Hill	10
	Engineering Mechanics ( 3rd - 14 )	F. L. Singer	Harper& Raw	14
	Engineering Mechanics ( 3rd - 7 )	Macklin & Nelson	Tata McGraw Hill	7
	Engineering Mechanics (3rd -7 )		Shaum Series	7
	Engineering Mechanics	A K Tayal	Umesh	33
	Engineering Mechanics ( 3rd - 6, 4th - 2 )	Kumar	Tata McGraw Hill	8
	Engineering Mechanics - Statics ( 6th - 3, 4th - 3 )	Meriam and Kraige	Wiley Books	6

	Engineering Mechanic - Dynamics ( 6th - 3, 4th - 4 )	Meriam and Kraige	Wiley Books	7
Basic Electrical Engineering	Basic Electrical Engineering ( 2nd - 6 )	V. N. Mittal and Arvind Mittal	Tata McGraw Hill	7
	Electrical Engineering Fundamentals -2nd ed, 2011	Vincent Del Toro	PHI	13
	Electrical and Electronic Technology – 10th ed (10th - 3, 7th - 2 )	Edward Hughes	Pearson Education	5
	Theory and Problems of Basic Electrical Engineering – 13th ed, 2011	D P Kothari and I J Nagrath	PHI	3
	Introduction to Electrical Engineering	M.Naidu and S.Kamakshaiah	Tata McGraw Hill	5
	Basic Electrical and Electronic Engineering	B.R.Patil	Oxford Higher Education	55
	Electrical Engineering - vol - I and II	B.L. Thereja		33
	B	S.N.Singh	PHI	35