

# GOBINDA PRASAD MAHAVIDYALAYA

## DEPARTMENT OF MATHEMATICS

### BOOK LIST FOR PURCHASE UNDER RUSA-2.0 GRANT, 2018

SR NO.	NAME OF BOOKS	AUTHOR'S NAME	PUBLISHER	EDN.	NO. OF COPIES
1.	Calculus	G.B. Thomas and R.L. Finney, Calculus	Pearson Education, Delhi	9th Ed., 2005	03
2.	Calculus	M.J. Strauss, G.L. Bradley and K. J. Smith	Dorling Kindersley (India) P. Ltd. (Pearson Education), Delhi	3rd Ed., 2007	03
3.	Calculus	H. Anton, I. Bivens and S. Davis	John Wiley and Sons (Asia) P. Ltd., Singapore	7th Ed., 2002	03
4.	Introduction to Calculus and Analysis (Volume I and II)	R. Courant and F. John	SpringerVerlag, New York, Inc.	1989	02
5.	Differential Equations	S.L. Ross	John Wiley and Sons, India	3rd Ed., 2004	03
6.	Differential Equations	G.F.Simmons	Tata Mcgraw Hill.		02
7.	Calculus (Volume I and II)	T. Apostol			03
8.	Methods of Real Analysis	R. Goldberg		2 <sup>nd</sup> Edition	03
9.	Complex Numbers from A to Z	Titu Andreescu and Dorin Andrica	Birkhauser	2006	03
10.	Discrete Mathematics with Graph Theory.	Edgar G. Goodaire and Michael M. Parmenter	Pearson Education (Singapore) P. Ltd., Indian Reprint	3rd Ed., 2005	03
11.	Linear Algebra and its Applications	David C. Lay	Pearson Education Asia, Indian	3rd Ed., 2007	02

			Reprint		
12.	Theory of equations	W.S. Burnstine and A.W. Panton			02
13.	Higher Algebra (Classical)	S. K. Mapa		12 <sup>th</sup> EDN.	02
14.	Higher Algebra (Abstract and Linear)	S. K. Mapa		12 <sup>th</sup> EDN.	02
15.	Mathematical Modeling with Case Studies, A Differential Equation Approach using Maple and Matlab	Belinda Barnes and Glenn R. Fulford	Taylor and Francis group, London and New York.	2nd Ed, 2009	03
16.	Differential Equations with MATHEMATICA	Martha L Abell, James P Braselton	Elsevier Academic Press.	3rd Ed., 2004	02
17.	Introductory Course in Differential Equations	Murray, D.	Longmans Green and Co.		03
18.	Elementary Differential Equations and Boundary Value Problems	Boyce and Diprima	Wiley		03
19.	Vector Calculus	Marsden, J., and Tromba,	McGraw Hill.		02
20.	Vector Analysis	Maity, K.C. and Ghosh, R.K.	New Central Book Agency (P) Ltd. Kolkata (India).		02
21.	Calculus and mathematical analysis	S. Goldberg			01
22.	Decision Making with Dependence and Feedback: The Analytic Network Process,	Saaty, Thomas L. (1996).	RWS Publications, ISBN: 0- 9620317-9-8.		01
23.	Differential Equations and Boundary Value problems Computing and Modeling	C.H. Edwards and D.E. Penny	Pearson Education India.	2005	01

24.	Multicriterion Decision in Management: Principles and Practice	Pomerol, Jean-Charles. and Barba-Romero, S. (2000).	Kluwer Academic Publishers, ISBN: 0-7923-7756-7.		01
25.	Introduction to Real Analysis	R.G. Bartle and D. R. Sherbert	John Wiley and Sons (Asia) Pvt. Ltd., Singapore	3rd Ed., 2002	02
26.	An Introduction to Analysis	Gerald G. Bilodeau , Paul R. Thie, G.E. Keough	Jones & Bartlett	2nd Ed., 2010	02
27.	Elementary Real Analysis.	Brian S. Thomson, Andrew. M. Bruckner and Judith B. Bruckner	Prentice Hall	2001	03
28.	A First Course in Real Analysis	S.K. Berberian	Springer Verlag, New York	1994	02
29.	Analysis I and II	Terence Tao	Hindustan Book Agency	2006	02
30.	Elementary Analysis: The Theory of Calculus	K.A. Ross	Springer	2004	02
31.	Introduction to Analysis.	A. Mattuck	Prentice Hall	1999	03
32.	A Course in Calculus and Real Analysis,	S.R. Ghorpade and B.V. Limaye	Springer	2006	02
33.	Mathematical Analysis	Tom M. Apostol	Narosa Publishing House		03
34.	Topology of Metric Spaces	S. Kumaresan	Narosa Publishing House	2nd Ed, 2011	03
35.	Introduction to Topology and Modern Analysis	G.F. Simmons	McGraw-Hill	2004	03
36.	A First Course in Abstract Algebra	John B. Fraleigh	Pearson	7th Ed., 2002	03
37.	Abstract Algebra	M. Artin,	Pearson	2nd Ed, 2011	03

38.	Contemporary Abstract Algebra	Joseph A. Gallian		4th Ed., 1999	03
39.	An Introduction to the Theory of Groups	Joseph J. Rotman		4th Ed., 1995	03
40.	Topics in Algebra	I.N. Herstein	Wiley Eastern Limited, India.	1975	03
41.	Abstract Algebra	David S. Dummit and Richard M. Foote	John Wiley and Sons (Asia) Pvt. Ltd., Singapore	3rd Ed, 2004	03
42.	Modern Algebra	J.R. Durbin	John Wiley & Sons, New York Inc.	2000	03
43.	Numerical Methods for Scientific and Engineering	M.K. Jain, S.R.K. Iyengar and R.K. Jain			02
44.	Applied Numerical Analysis	C.F. Gerald and P.O. Wheatley	Pearson Education, India	2008	03
45.	Numerical Methods using Matlab	John H. Mathews and Kurtis D. Fink	PHI Learning Private Limited	4th Ed., 2012	03
46.	Numerical Mathematical Analysis	Scarborough, James B.	Oxford and IBH publishing co.		03
47.	An Introduction to Numerical Analysis	Atkinson, K. E.	John Wiley and Sons	1978	03
48.	Elementary Analysis, The Theory of Calculus, Undergraduate Texts in Mathematics.	K.A. Ross	Springer (SIE), Indian reprint	2004.	03
49.	Elements of Real Analysis	Charles G. Denlinger	Jones & Bartlett .	(Student Edition), 2011.	03
50.	Integral calculus.	Santi Narayan			03

51	Trends in Multiple Criteria Decision Analysis	Greco, S., Ehrgott, M. and Figueira, J. R. (2010).	Springer Verlag, ISBN: 9781441959041		01
52.	Decisions with Multiple Objectives: Preferences and Value Tradeoffs	Keeney, R. L. and Raiffa, H. (1993).	Cambridge University Press, ISBN: 0-521-44185-4.		01
53.	Multivariable Calculus, Concepts and Contexts	James Stewart	Brooks /Cole, Thomson Learning, USA, 2001	2nd Ed.	03
54.	Linear Algebra,	Stephen H. Friedberg, Arnold J. Insel, Lawrence E. Spence,	Prentice-Hall of India Pvt. Ltd., New Delhi, 2004.	4th Ed.	03
55.	Linear Algebra and its Applications	Gilbert Strang	Thomson, 2007.		03
56.	MATLAB and its Applications in Engineering, 2e	Bansal/Goel/Sharma	Pearson, 1 March 2016		02
57.	Multicriterion Decision Making	Gal, T., Stewart T. J. and Hanne T. (1999).	Springer Verlag, ISBN: 978-1-4613-7283-7		01
58.	Differential equations with MATHEMATICA	Martha L Abell, James P Braselton	Elsevier Academic Press, 2004.	3rd Ed.	02
59.	Partial Differential Equations	Miller, F. H.	John Wiley and Sons.		02
60.	Complex Variables and Applications	James Ward Brown and Ruel V. Churchill	McGraw – Hill International Edition, 2009.	8th Ed.	02
61.	Management Models and Industrial Applications of Linear	Charnes, A. and Cooper, W. W.	John Wiley & Sons, ISBN: 9780471148500)		01

	Programming		(1961).		
62.	Linear Programming and Network Flows,	Mokhtar S. Bazaraa, John J. Jarvis and Hanif D. Sherali	John Wiley and Sons, India, 2004.	2nd Ed.	02
63.	Introduction to Operations Research,	F.S. Hillier and G.J. Lieberman	Tata McGraw Hill, Singapore, 2009.	9th Ed.	02
64.	Linear Programming	G. Hadley	Narosa Publishing House, New Delhi, 2002.		02
65.	Topology, A First Course	Munkres, J.R.	Prentice Hall of India Pvt. Ltd., New Delhi, 2000.		02
66.	Introduction to Topology and Modern Analysis	Simmons, G.F.	McGraw Hill, 1963.		02
67.	General Topology	Kelley, J.L.	Van Nostrand Reinhold Co., New York, 1995.		02
68.	Set Theory	Abhijit Dasgupta	Birkhäuser		02
69.	Introduction to Probability Models	Sheldon Ross	Academic Press, Indian Reprint, 2007.	9th Ed.	02
70.	Introduction to the Theory of Statistics	Alexander M. Mood, Franklin A. Graybill and Duane C. Boes	Tata McGraw-Hill, Reprint 2007	3rd Ed.	01
71.	Portfolio Optimization	M.J. Best	Chapman and Hall, CRC Press, 2010.		01
72.	Introduction to Lattices and Order	B A. Davey and H. A. Priestley	Cambridge University Press, Cambridge, 1990.		02
73.	Introduction to	J. E. Hopcroft, R.	Addison-	2nd Ed.	02

	Automata Theory, Languages, and Computation	Motwani and J. D. Ullman	Wesley, 2001.		
74.	Elements of the Theory of Computation	H.R. Lewis, C.H. Papadimitriou, C. Papadimitriou	Prentice-Hall, NJ, 1997.	2nd Ed.	02
75.	Beginning Number Theory	Neville Robinns,	Narosa Publishing House Pvt. Ltd., Delhi, 2007	2nd Ed.	02
76.	Engineering Mechanics: Statics and Dynamics. ►	R.C. Hibbeler and Ashok Gupta,	Dorling Kindersley (India) Pvt. Ltd. (Pearson Education), Delhi	11th Ed.	01
77.	MATLAB: An Introduction with Applications, 4ed	Amos Gilat	Willey, 2012		02
78.	Statics.	Matiur Rahman, Md.			02
79.	Elements of Mathematical Ecology	M. Kot	Cambridge University Press, 2001.		02
80.	An Introduction to Differential Geometry	T.J. Willmore	Dover Publications, 2012.		02
81.	Tensor Calculus: A Concise Course	B. Spain	Dover Publications, 2003		02
82.	Linear Partial Differential Equation for Scientists and Engineers	Tyn Myint-U and Lokenath Debnath	Springer, Indian reprint, 2006.		02
83.	A First Course in Mathematical Modeling	Frank R. Giordano, Maurice D. Weir and William P. Fox	Thomson Learning, London and New York, 2003.		02

84.	Discrete Mathematics and Combinatorial Mathematics	R.P. Grimaldi	Pearson Education, 1998.		02
85.	Theory of Sets	E. Kamke	Dover Publishers, 1950.		03
86.	Mastering C++	A. R. Venugopal, Rajkumar, and T. Ravishanker	TMH, 1997.		02
87.	C++ Primer	S. B. Lippman and J. Lajoie	Addison Wesley, 2000.	3rd Ed.	02
88.	Thinking in C++	Bruce Eckel	President, Mindview Inc., Prentice Hall.	2nd Ed.	02
89.	Object Oriented Programming In C++,	E. Balaguruswami	Tata McGrawHill		02
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91.	Linux Administrator's Guide	Cox K, Red Hat	PHI, 2009.		02
92.	Multiple Criteria Decision Analysis: An Integrated Approach	Belton, Valeria. and Stewart, Theodor. J.	Kluwer Academic, Dordrecht, ISBN: 978-1-4615-1495-4. (2002).		01
93.	Multiple Attribute Decision Making: Methods and Applications	Tzeng, Gwo-Hshiung. and Huang Jih-Jeng. (2011).	CRC Press Taylor & Francis, ISBN: 978-1-4398-6157-8.		01
94.	Fuzzy Set Theory Fuzzy Logic and their Applications	Bhargava A.K	S. Chand, 1 December 2013 by		01



95.	An Introduction to Fuzzy Set Theory and Fuzzy Logic, 2/e	Chander Mohan	2017		01
96.	Artificial Neural Networks	Yegnanarayana	PHI, 1998		01
97.	Fuzzy Multiple Attribute Decision Making Problem	Muley Aniket and Bajaj Vishnudas	9 April 2015		01
98.	Programming in MATLAB®: A problem-solving approach, 1e	Patel / Mittal	Pearson, 2014.		02