



No – 2021-22/FIST/Books-2

### PURCHASE OF BOOKS

[Kindly enclose a signed copy of this document along with the quotations]

Quotations are invited for the purchase of books under the DST-FIST Fund. Kindly submit the quotations for the attached list of books along with the offered discount.

Last Date of Submitting the Quotations: 26/01/2022 02:00 pm

Date of Opening Quotations: 27/01/2022 02:00 pm at Conference room, T.K.M. College of Arts & Science, Kollam

#### List of Books

No	Book Name	Author	Publications
1	Callister's Materials Science and Engineering, 2ed	R. Balasubramaniam	John Wiley & Sons
2	A first course in computational physics	L Paul, L Pavria	John Wiley & Sons
3	Modern Techniques of Surface Science	D. P. Woodruff and T. A. Delchar	Cambridge Press
4	Hand Book of Modern Sensors, Physics, Design and Application	J Fraden	Springer -Verlag New York Inc
5	Elements of X-ray diffraction	B.D. Cullity, SR Stock	Pearson
6	Principals of Electronic materials and devices	S O Kasap	TMH
7	The Science and Engineering of Materials 6th Edition	Donald R Askeland and Pradeep P Phule	Thomson Brooks/Cole
8	Nano Structures and Nanomaterials, Synthesis Properties and Applications	Guozhong Cao	World Scientific Publishing Co Pte Ltd
9	Photocatalysis	Ameta Rakshit	Taylor & Francis Ltd
10	Materials Characterization Techniques	Sam Zhang	CRC Press; 1st edition
11	Quantum Field Theory and Condensed Matter: An Introduction	Ramamurti Shankar	Cambridge University Press

12	Fundamentals of Nanotechnology	G. L. Hornyak, J. J. Moore, H.F. Tibbals, J. Dutta	CRC Press, 2009.
13	Intelligent Materials	R. Metzger et al.	RSC Publishing, 2007.
14	Semiconductor for solar cells	H J Moller	Artech House Inc, MA, USA
15	Environmental Nanotechnology: Applications and Impacts of Nanomaterials	Wiesner, M.R., and Bottero, J.Y. (Ed.)	McGraw-Hill, New York, 2007.
16	Band Theory and Electronic Properties of Solids:2	John Singleton	Oxford University Press
17	Molecular Quantum Mechanics, 4th Edn.	P.W. Atkins and R.S. Friedman	Oxford University Press, 2005.
18	Molecular Symmetry and Group Theory: A Programmed Introduction to Chemical Applications, , 2nd Edn.,	A. Vincent	Wiley, 2000.
19	Modern Raman Spectroscopy- A Practical Approach	Ewen Smith and Geoffrey Dent	John Wiley & Sons Ltd
20	Molecular Modelling for Beginners,2nd Edn.	Hinchliffe	John Wiley & Sons, 2008
21	Modern methods in organic synthesis, 4th Edn.	W. Carruthers	Cambridge University Press, 2004.
22	Organic reactions their and mechanism, 4th Edition	S. Kalsi	New Age International Publishers, 2015.
23	A Chemical approach to Nanomaterials	Geoffrey A. Ozin, Andre C Arsenault	RSC publishing
24	Mechanism of Inorganic Reactions	F. Basalo and R. G. Pearson	John Wiley and Sons
25	Computational Chemistry – Introduction to the theory and applications of molecular and quantum mechanics	E. Lewars	Springer
26	Molecular Symmetry and Group Theory	Robert L. Carter	Wiley, 1997.
27	The Principles of electrochemistry	D. A. MacInnes	Dover publishers
28	Quantum Chemistry and Spectroscopy	T. Engel	Pearson Education, 2006.
29	Group Theory and Symmetry in Chemistry	L.H. Hall	McGraw Hill,1969.
30	Introduction To Magnetic Resonance Spectroscopy: ESR, NMR, NQR	D. N. Sathyanarayana	IK International, 2009.

31	Electrochemical Methods Fundamentals and Applications, 2nd Ed	A. J. Bard and L. R. Faulkner	John Wiley & Sons
32	Quantum Chemistry	J. P. Lowe and K. A. Peterson	Elsevier
33	Structure and bonding, Tutorial Chemistry Text	J. Barrett	Royal Society of Chemistry
34	Modern Spectroscopy. Fourth Edition.	J. Michael Hollas	John Wiley & Sons, 2004
35	Inorganic Spectroscopic Methods	Brisdon, A.K.	Oxford University Press:1998
36	Molecular Modelling: Principles and Applications, 2nd Edn.,	A. Leach	Longman, 2001.
37	The Golem: What everyone should know about science	H. Collins & T. Pinch-	Cambridge university press – 1993

For any clarification regarding the quotation process kindly contact

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