



**DEPARTMENT OF MATHEMATICS**  
**COLLEGE OF BASIC SCIENCE AND HUMANITIES**  
**OUAT, BHUBANESWAR – 751003**

No 449/B.Sc/Math

Date 2.3.19

**QUOTATION**

**Sealed quotations are invited for supply of the items as at Annexure-1 and Annexure-2 from the suppliers/vendor/reputed manufactures fulfilling the condition indicated below.**

**Interested Supplier / Firms should submit their quotation indicating their rates and VAT/taxes/GST clearance along with other terms and condition in a sealed cover for supply of the items. The quotation should reach the undersigned on or before 13.03.2019. The quotation should include installation charge of the equipments.**

**Conditions:**

1. The firms must submit attested photocopy PAN, GST validity certificate and GST return and photograph with the quotations.
2. The articles should reach F.O.R Bhubaneswar (College of Basic Science & Humanities) OUAT, Bhubaneswar.
3. The transporting charge will be borne by the supplier
4. Payment will be held up if defective material are supplied
5. The purchase will be depend on the available fund
6. The authority reserves the right to cancel or change the quotation without assigning reason

HOD, Mathematics

Memo No 450/B.Sc/Math Dt  
Copy to Notice board of all Colleges for wide circulation.

HOD, Mathematics

Memo No 448/B.Sc/Math Dt  
Copy to the Director, College of Basic Science and Humanities for information and for display in the notice board.

HOD, Mathematics

**ANNEXTURE-I**

**Name of the College/Establishment-Department of Mathematics, College of Basic Science and Humanities**

Sl No	Item	Detailed Technical Specificatin
1.	Supply fittings and fixing (up and down) two track sliding black board,	made of alminium frame, slidding runner(including labour cg\harges T & P) 6ft x 8 ft
2.	Projector Screen	Wall mounted 2motorized with remote control 8x6 ft
3.	Projector Screen	8x6 ft, Manual
4.	Wall Speaker	32 Watt, W RMS/48W Max 3216/8W on 100V 80-20,000 Hz
5.	Wireless Microphones 1H,1L	Audio Output 0-50mV Freq. Resp. 40-5000Kz Telescopic Antenna
6.	Amplifier with Built-in Digital Player	160 Watt, 5 Mic & 2 Aux inputs Power Output- 160 RMS at 10% THD 220 W RMS Max MP3 player with USB,SD MMC Card Reader Freq Resp 50-15000Hz +_3db Inout Channel: Mic 5xMic 0.65mV Aux 2xxAux 100 mV
7.	Mother Board	Asus H 110
8.	Mother Board	Asus H-81
9.	Hard Disk	Seagate 500 GB
10.	Hard Disk	Seagate 1 TB SATA
11.	Cabinet With SMPS	i-ball
12.	Processor	Intel Core i-54 <sup>th</sup> Generatin
13.	Processor	Intel Core i-3 4 <sup>th</sup> Generatin
14.	Monitor	19" LED
15.	Monitor	18.5" LED
16.	RAM	2GB DDR3
17.	RAM	4GB DDR3
18.	RAM	4GB DD4
19.	DVD writer (Internal)	SATA
20.	External DVD Writer	
21.	External Hard Disk	1 TB
22.	SMPS	440 Volt
23.	Cabinet with SMPS	
24.	Plastic moulded chair	Plastic Chair Armed Plastic Chair Without Arm
25.	DVD Packet(50 numbers)	RW of least price
26.	CMOS battery	Per piece of least price

27.	A4 Paper for computer printer	Of least price
28.	Toner Cartridge of Panasonic Laser printer KX-MB1500	Original/Compatible
29.	VGA Cable	
30.	USB Cable	
31.	Toner Cartridge of Samsung Laser printer SCX-3201G	Original/Compatible
32.	Toner 2014D of Ricoh Make for Printer Cum Photocopier Machine	Original/Compatible
33.	Toner Cartridge of RICOH Laser printer SP 210 SU	
34.	Key Board	USB
35.	Mouse	USB
36.	Extention Chord	
37.	SMF Battery	12 V 26 AH
38.	UPS battery	12 V 7 Ah
39.	D-Link Cat-6 cable	
40.	Cashing/PVC Conduit	
41.	24 Port UM Switch	
42.	D-Link Patch Pannel	
43.	12 U rack	
44.	Patch Cord 1 Mtrs	
45.	Micrisoft Word software	*Features: MS Excel, Word, Power point, MS Access, Single user Ten user 24 user
46.	Microsoft Operating System software	*Window -7/Window 8.1/Window 10 Single user Ten user 24 user
47.	C++ Compliler software	*For 32 bit and 64 bit OS 1 user 24 user 48 User
48.	Weka software	*For 32 bit and 64 bit OS 1 user 24 user 48 User
49.	SQL 10G software	*For 32 bit and 64 bit OS 1 user 24 user 48 User
50.	Microprocessor Simulator 8085,8086	*For 32 bit and 64 bit OS 1 user 24 user 48 User
51.	Prolog GNU/SW1 software	*For 32 bit and 64 bit OS 1 user 24 user

		48 User
52.	Star uml software	*For 32 bit and 64 bit OS 1 user 24 user 48 User
53.	Visual Basic software	*For 32 bit and 64 bit OS 1 user 24 user 48 User
54.	Matlab software	*For 32 bit and 64 bit OS 1 user 24 user 48 User
55.	I/O Box with SMB	
56.	Door Closure	
57.	Air Conditioner	2 ton split AC
58.	Stabiliser for 2 ton AC	
59.	Air conditioner	1 ton split AC
60.	Stabiliser for 1 ton AC	
61.	Computer lab Chair repairing	8 nos
62.	Repair of AC room Air tight Alminium Channel with pre-laminated Board	
63.	Wall Cupboard Size Height 3 ft, length 3 ft, deapth 1 ft 2 inch, inner outdoor Sunmica pasting with hardware fitting inc and labour charges	
64.	1.5 Tr , 2 Tr Tr Split AC Compressor Change with labour charge	
65.	Running capacitor	
66.	Fan capacitor	
67.	Repair and servicing of 2.Tr / 1.5 Tr Split AC	
68.	Repair and servicing of of 2.Tr/1.5 Tr Window AC	
69.	Repair . servicing of Online UPS with replacement of necessary battery	
70.	Spy booster Elecrtical Extention chord	
71.	Repairing Inverter with replacement of necessary battery	
72.	Repair of UPS with replacement of necessary battery	
73.	Repair of printer	
74.	Repair of Computers	

No of units to be purchased will depend on the quoted price .The quoted price should include installation charge and all taxes. **For repair of ACs, Computer lab Chairs repairing , repair of online UPS, repair of UPS, repairing of Inverter, repair of printers and repair of computers the interested firms are required to visit the Department labs and quote their price.**

\* The software should of Education version. If Education version is not other versions may be quoted. Price of Paper License of the softwares must be provided. If paper license is not available, the price of other versions may be quoted. The software should be of least price

**APPENDIX-2**

## Quotation of Mathematics Books

Author	Book Title	Publishers
M.J. Strauss, G.L. Bradley and K. J. Smith,	Calculus	3rd Ed., Dorling Kindersley (India) P. Ltd. (Pearson Education), Delhi, 2007.
H. Anton, I. Bivens and S. Davis, 10th Ed., Singapore	Calculus	John Wiley and Sons (Asia) P. Ltd
B.P. Acharya and D.C. Sahu	Analytical Geometry of Quadratic Surfaces	Kalyani Publishers New Delhi, Ludhiana
Shantinakaran,	Text Book of Calculus, Part-II-	S. Chand & Co.,
Shantinakaran,	Text Book of Calculus, Part-III-	S. Chand & Co., Chapters
Shantinakaran,	Text Book of Calculus, Part-I-	S. Chand & Co
L.V. Ahlfors	Complex Analysis	McGraw-Hill(International Student Edn)
Titu Andreescu and Dorin Andrica	Complex Numbers from A to Z	Birkhauser,
Edgar G. Goodaire and Michael M. Parmenter,	Discrete Mathematics with Graph Theory	Pearson Education (Singapore) P. Ltd. Indian Reprint
David C. Lay	Linear Algebra and its Applications	, Pearson Education Asia, Indian Reprint
James Ward Brown and Ruel V. Churchill	Complex Variables and Applications	McGraw Hill International Edition
G. Das and S. Pattanayak	Fundamentals of Mathematics Analysis	TMH Pub-lishing Co
S.C. Mallik and S. Arora	Mathematical Analysis	New Age International Publications
R.G. Bartle and D. R. Sherbert, ,	Introduction to Real Analysis	John Wiley and Sons (Asia) Pvt. Ltd., Singapore,
J. Sinha Roy and S. Padhy,	A Course of Ordinary and Partial Differential Equations	Kalyani
Belinda Barnes and Glenn R. Fulford,	Mathematical Modeling with Case Studies, A Differential Equation Approach using Maple and Matlab	Taylor and Francis group, London and New York,
Joseph A. Gallian,	Contemporary Abstract Algebra	Narosa Publishing House, New
I.N Herstein, , ,	Topics in Algebra	Wiley Eastern Limited, India
Stephen H. Friedberg, Arnold J. Insel, Lawrence E. Spence	A First Course in Abstract Algebra	Pearson
Tyn Myint-U and Lokenath Debnath,	<i>Linear Partial Differential Equations for Scientists and Engineers</i>	Springer, Indian reprint
B.P. Acharya and R.N. Das,	A Course on Numerical Analysis	Kalyani Publishers, New Delhi
Brian Bradie	A Friendly Introduction to Numerical Analysis	, Pearson Education India
Robert V. Hogg, Joseph W. McKean and Allen T. Craig, , ,	Introduction to Mathematical Statistics	Pearson Education Asia,
Irwin Miller and Marylees Miller, John E. Freund, , , ,	Mathematical Statistics with Applications	Pearson Education, Asia,
Sheldon Ross	Introduction to Probability Models	Academic Press, Indian Reprint
P.K. Jain and K. Ahmad, ,	Metric Spaces	Narosa Publishing House, New Delhi.

James Ward Brown and Ruel V. Churchill,	Complex Variables and Applications	McGraw Hill International Editio
Kanti Swarup, P.K. Gupta and Man Mohan-,	Operations Research	S. Chand and Co. Pvt. Ltd.
R.P. Grimaldi,	Discrete and Combinatorial Mathematics: An Applied Introduction	Pearson
D. Hearn and M.P. Baker-,, ,	Computer Graphics	PrenticeHall of India
J.D. Foley, A van Dam, S.K. Feiner and J.F. Hughes-,	Computer Graphics: Principals and Practices	Addison-Wesley
D.F. Rogers-Procedural,, ,	Elements in Computer Graphics	McGraw Hill Book Company
Kenneth H. Rosen, ,	Discrete Mathematics and Applications	Tata McGraw Hill Publications
.P.R. Halmos, Naive	Set Theory	Springer
E. Kamke	Theory of Sets	Dover Publishers
P.J. Cameron	Combinatorics , Topics Techniques Algorithm	Cambridge university press
Alan Slomson	An introduction to combinatorics	Chapman & hall Mathematics
E Balguruswamy	TMH	Springer,
William Stalling	Cryptography and Network Security	Pearson Education
David G. Luenberger,	<i>Investment Science</i>	Oxford University Press, Delhi
John C. Hull,	<i>Options, Futures and Other Derivatives</i>	Prentice-Hall India Indian reprint
Sheldon Ross,	<i>An Elementary Introduction to Mathematical Finance</i>	Cambridge University Press
John B. Fraleigh	A First Course in Abstract Algebra	Pearson
D. S. Malik,	C++ Programming Language	, Course Technology Cengage Learning,
D.M. Burton-,	Elementary Number Theory	McGraw Hill,
J.N. Kapur-	Mathematical Modelling	New Age International (P) Ltd
C.E. Weatherburn, ,	Differential Geometry of Three Dimensions	Cambridge University Press
Joseph A. Gallian,	Contemporary Abstract Algebra	Narosa Publishing House
David S. Dummit and Richard M. Foote	Abstract Algebra	John Wiley and Sons (Asia) Pvt. Ltd, Singapore)
I.N. Herstein and D.J. Winter	<i>Primer on Linear Algebra</i>	Macmillan Publishing Company New York
S.R. Nagpaul and S.K. Jain	<i>Topics in Applied Abstract Algebra</i>	Thomson Brooks and Cole, Belmont,
I.H. Shames and G. Krishna Mohan Rao	Engineering Mechanics: Statics and Dynamics,	Dorling Kindersley (India) Pvt. Ltd. (Pearson Education, (Delhi)
F. S. Hillier and G. J. Lieberman,	<i>Introduction to Operations Research</i>	Tata McGraw Hill, Singapore, 2009,9 <sup>th</sup> Edition
Mokhtar S. Bazaraa, John J. Jarvis and Hanif D. Sherali,	<i>Linear Programming and Network Flows</i>	John Wiley and Sons, India(2nd edition),
R.G. Bartle and D. R. Sherbert	Introduction to Real Analysis,	John Wiley and Sons (Asia) Pvt. Ltd., Singapore,3rd Ed.,
Kenneth H. Rosen,	Discrete Mathematics and Applications	Tata McGraw Hill Publications
B A. Davey and H. A. Priestley	<i>Introduction to Lattices and Order,</i>	Cambridge University Press, Cambridge, 1990

Rudolf Lidl and Günter Pilz, ,	<i>Applied Abstract Algebra</i> (2nd Edition), Undergraduate Texts in Mathematics	Springer (SIE), Indian reprint
W. Rudin	Principles of Mathematical Analysis	McGraw Hill Education;
G. De. Barra	Measure Theory and Integration (	New Age International
I. N. Herstein	Topics in Algebr.	Wiley
C. Musili	Introduction to Rings and Modules	;, Narosa Publishing house
I.S. Luthar and I. B.S. Passi	Algebra (Vol. 3 Modules),	Narosa Publishing House.
S. L. Lipschutz,	3,000 Solved Problems in Linear Algebra (Schaum's Solved Problems Series)	McGraw-Hill Education
J. R. Munkres	Topology	Pearson Education,
J.L. Mott, A. Kendel and T.P. Bakers	: Discrete mathematics for Computer Scientists and Mathematician	Prentice Hall India Learning Private Limited
B. V. Limaye	Functional Analysis,	New Age International Ltd
J. B. Conway	Function of one Complex variable	;, Springer-Verlag, International Student-Edition, Narosa Publishing House,
L. Burden and J.D. Faires	Numerical Analysis	Cengage Delmar Learning India Pvt
A.Z. Aitkanson.	Introduction to Numerical Analysis	John Wiley & Sons;
P.J. Davis and Rabinowitz	Methods of Numerical Integration	Dover
M.C.Joshi and K.M.Moudgalya	Optimisation: Theory and Practice	Narosa Publishing Hou
J.A.Snyman	Practical mathematical Optimisation	Springer Science
Kanti Swarup, Gupta and Manmohan	Operations Research	Sultan Chand and Sons
P. B. Bhattacharya, S. K. Jain and S. R. Nagpaul : , ,	Basic Abstract Algebra	Cambridge University Press
N. Koblitz,	A Course in Number Theory and Cryptography	Graduate Texts in Mathematics, No.114, Springer-Verlag, New York/Berlin/Heidelberg
S.C Gupta and V.K. Kapoor	, Fundamentals of Mathematical statistics	Sultan Chand and Sons publication
H.C. Saxena & P.U. Surendran	Statistical Inference	Cengage
S.C. Gupta and V.K.Kapoor,	Fundamentals of Applied Statistics	Sultan Chand and Sons publication
S.D.Deo, V.Lakshmikantham and V.Raghavendra	McGraw Hill	, TMH.
S.D.Deo, V.Lakshmikantham and V.Raghavendra	McGraw Hill	, TMH.
T.H. Corman, C.E. Leiserson, and R.L. Rivest	Introduction to Algorithms	Prentice Hall of India
M.A. Weiss	Data Structure and Algorithms Analysis in C	Pearson Education India
J.L.Bansal	Viscous Fluid Dynamics	IBH
K.W, Morton & D.F.Mayers	Numerical Solution of Partial Differential Equations	Cambridge ,University Press
A.S Gupta	Calculus of Variations with Application	Prentice Hall of India New Delhi
Sudir K.Pundir and Rimple Pundir	Integral Equations and Boundary Value Problem	Pragati Prakasan, Meerut,
.Lokenath Debnath and Dambaru Bhatta	Integral Transforms and Their Applications	, Chapman & Hall/CRC;

The price of books, percentage of rebate allowed together with price after rebate must be mentioned.

## Quotation of Computer Science Books

Programming in ANSIC	E. Balguruswamy	TMH
Let Us C	Yashvant Kanetkar	
The Complete Reference	Herbert Schildt	
The C Programming Language	Brian W. Kernighan / Dennis Ritchie	
Head First C	Griffiths David	
Operating System Concepts	Silberschatz, Galvin, Gagne	Wiley-India
, Modern Operating Systems	A.S. Tanenbaum	Pearson Education
Operating Systems: A Modern Perspective	G. Nutt	Pearson Education
Operating Systems, Internals & Design Principles	W. Stallings	PHI
, Operating Systems- Concepts and design	M. Milenkovic	Tata McGraw Hill
Object Oriented Programming with C++	E. Balgurusamy	TMH
The C Programming Language	Brian W. Kernighan / Dennis Ritchie	
C++: The Complete Reference	Herbert Schildt	
C++ Primer	LIPPMAN	
Programming: Principles and Practice Using C++	Bjarne Stroustrup	
Classic Data Structures	D. Samanta	PHI
Data Structure using C++	D.S Malik	Cengage Learning
Data Structures and algorithm in C++	Adam Drozdek	Cengage Learning
Data Structures and Program Design in C++	Robert L. Kruse	Pearson
Computer System Architecture	M. Mano	Pearson Education
Computer Organization and Architecture Designing for Performance	W. Stallings	Prentice Hall of India
Computer Organisation	Carl Hamacher	Mc Grawhill
Assembly Language and Computer Architecture using C++ and JAVA	A. J. Dos Reis	Course Technology
Programming with Java	E. Balagurusamy	TMH
Thinking Java	Bruce Eckel	Pearson India
Programming with JAVA	John R. Hubbard	Schaum's Series
Core Java 2 Volume 1	Cay S. Horstmann, GaryCornell	Printice
, Integrated HTML and CSS A Smarter	Virginia DeBolt	



Camryn Williams Introduction to <b>HTML</b> and CSS	Cassidy Williams	BPBPublicant
Discrete Mathematics & Its Applications	Kenneth H Rosen	McGraw-Hill
Introduction to Graph Theory (Dover Books on Mathematics)	Richard J. Trudeau	
Introductory Discrete Mathematics (Dover Books on Computer Science)	V. K . Balakrishnan	
Data Communications and Networking	Forouzan	TMH
Internetworking with TCP/IP, Vol. I	D.E. Comer	Prentice Hall of India
Data & Computer Communication, 8th edition	W. Stalling	Prentice Hall of India
Data Networks	D. Bertsekas, R. Gallager	Prentice Hall of India
Computer Graphics with OpenGL	.Donald Hearn & M. Pauline Baker	Pearson Education
Computer Graphics: A Programming Approach	Steven Harrington	
Computer Graphics: Principles and Practice	James D. Foley, Andries van Dam, Steven K. Feiner, John Hughes	
OpenGL Programming Guide: The Official Guide to Learning OpenGL, Version 2	Dave Shreiner, Mason Woo	
PHP: The Complete Reference Paperback	Steven Holzner	McGraw Hill Education
PHP and MYSQL (Create-Modify-Reuse)	Timothy Boronczyk, Martin E. Psinas	Wiley India
Learning PHP, MySQL, JavaScript, CSS & HTML5	Robin Nixon	O'reilly
Web Enabled Commercial Application Development Using Html, DHTML, Javascript, Perl CGI	.Ivan Bayross	BPB Publications
BIG Java	Cay Horstmann	Wiley Publication
Java 7, The Complete Reference	Herbert Schildt	
The Complete Reference J2EE	Jim Keogh	TMH
Java Server Pages	Hans Bergsten	O'Reilly
.Software Engineering	Ian Sommerville	Pearson Education
Essentials of Software Engineering	S. Thangasamy	
Fundamentals of Software Engineering	Bali	
Introduction to Machine Learning	Ethem Alpaydin	The MIT Press
Machine Learning	Tom M. Mitchell	Tata McGraw-Hill Education
Pattern Recognition and Machine Learning	Christopher M. Bishop	Springer
Machine Learning: A Probabilistic Perspective	Mevin P. Murphy	The MIT Press
Microprocessor	Gaonkar	TMH
Microprocessor and peripherals	S P Choudhury & S Choudhury	Scitech publ.
ARM System-On-Chip Architecture	Steve Furber	
.Advanced microprocessors and peripherals	bhurchandi	

Fundamentals of Microprocessor Programming	Mansih Kumar Ghodki	
Advanced Microprocessors and Peripherals	Ajoy Ray , K Bhurchandi	
Introduction to A.I and Expert Systems	DAN.W. Patterson	PHI
Artificial Intelligence-A Modern Approach	Russell &Norvig	LPE, Pearson Prentice Hall
Artificial Intelligence	Rich & Knight	Tata McGraw Hill
Programming in PROLOG	W.F. Clocksin and Mellish	Narosa Publishing House
Prolog Programming for Artificial Intelligence	Ivan Bratko	Pearson Education
Clifford Stein Introduction to Algorithms	T.H. Cormen, Charles E. Leiserson, Ronald L. Rivest	PHI
Computer Algorithm – Introduction to Design and Analysis	Sarabasse& A.V. Gelder	Pearson
Data Mining Concepts and Techniques	Jiawei Han and Micheline Kamber	Morgan Kaufman Publications
Introduction to Data Mining	Adriaan	,Addison Wesley Publication
Data Mining Techniques	A.K.Pujari	University Press
Fundamentals of Database Systems	Ramez Elmasri,Shamkant B.Navathe	Pearson
Database Management System	R. Ramkrishanan	McGraw-Hill
Database Systems Concepts	A.Silberschatz,H.F. Korth,S.Sudarshan	McGraw-Hill

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