



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

No 341 /B.Sc/Math

Date 19.03.18

QUOTATION

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

Interested Supplier / Firms should submit their quotation indicating their rates and GST/VAT/taxes if any along with other terms and condition in a sealed cover for supply of the items. The quotation should reach the undersigned on or before 28.03.2018. The quotation should include installation charge of the equipments.

Conditions:

1. The firms must be registered under the OUAT Act-2004 and submit the Xerox copy of TIN Certificate along 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 authority reserves the right to cancel or change the quotation without assigning reason
6. There should be three years of comprehensive and onsite warranty. The warranty must be supplied at the time of purchase.

HOD, Mathematics

ANNEXTURE-I

Sl No	Item	Detailed Technical Specification
1.	Air Conditioner	2 ton split AC of reputed company
2.	Stabiliser for 2 ton AC	
3.	Air conditioner	1 ton split AC of reputed company
4.	Stabiliser for 1 ton AC	
5.	On Line UPS	Input voltage 160-280 KVA Output 230 V+_ 3% Output frequency 50/60 Hz, pure sine wave,true online double conversion, 30 minutes battery backup.
6.	OFC Cable Type MM	
7.	OFC LIU	
8.	Media converter MM	
9.	8 port switch	
10	SFP Tranceiver module single mode/ Multi mode	
11	OFC SC type Patch Chord Duplex MM	
12	6U Rack	
13	Window Home 10 SNGL OLP Acdmc Legalization Get Genuine	
14	Window Server STD Core 2016 SNGL OLP 16LIC NL Acdmc CoreLic	
15	Window Pro 10 SNGL Upgrd OLP NL Acdm	
16	Projector Screen	Wall mounted motorised with remote control 8x6 ft
17	Mother Board	H110
18	Mother Board	H-85
19	Hard Disk	1 TB SATA
20	Hard Disk	2 TB SATA
21	Cabinet With SMPS	i-ball
22	Processor	Intel Core i-5 8 th Generation
23	Processor	Intel Core i-3 8 th Generation

24	Monitor	22" LED
25	Monitor	20" LED
26	Monitor	18.5" LED
27	RAM	2GB DDR3,
28	RAM	2GB DDR3
29	RAM	4GB DDR3
30	RAM	4GB DDR3
31	RAM	4GB DDR 4
32	RAM	4GB DDR 4
33	DVD writer	Liton, SATA
34	External Hard Disk	1TB
35	SMPS	440 Volt
36	CD Packet (50 numbers)	RW of least price
37	DVD Packet(50 numbers)	RW of least price
38	Toner Cartridge of Panasonic Laser printer KX-MB1500	Original/Compatible
39	Toner Cartridge of Samsung Laser printer SCX-3201G	Original/Compatible
40	White Board	Per square feet Price
41	Catridge	Toner for Ricoh Make for Printer Cum Photocopier Machine
42	Key Board	USB
43	Mouse	USB
44	Extention Chord	
45	SMF Battery	12 V 26 AH
46	Charger Card	For 5KVA online UPS
47	IP box	For networking
48	switch	24 port
49	Cable per meter	Cat 6
50	UPS battery	12 V 7 Ah
51	Projector Screen	Automatic
52	Plastic Moulded Chair with arm	
53	Plastic Moulded Chair without arm	

54	D-Link Cat-6 cable	
55	Cashing/PVC Conduit	
56	24 Port UM Switch	
57	D-Link Patch Pannel	
58	12 U rack	
59	Patch Cord 1 Mtrs	
60	I/O Box with SMB	
61	Repair of Laboratory aluminium door	*
62	Repair of computer wheel chairs	*
63	Repair of AC of laboratories	*
64	Supplying of sliding black Board	* Fixing and fitting of aluminium 10ft x 4 ft two sliding black boards made of 2 ½” x 1 1/2” aluminium channel two track top and side frame, A and H section with 6 mm frosted glass, 4 mm water proof ply ,one mm valvet cloth,runner handle with all fitting charges.
65	5 Mic and 2 Aux input	Power Output: 160W RMS at 10% THD 220W RMS Max Input Channels: Mic:5xMic 0.65mV/4.7kΩ Aux:2XAux10mV/470kΩ,Line:1XLine1v/20kΩ Freq. Resp.: 50-15,000Hz±3dB Tone Controls:Bass ±10dB at 100Hz Treble ±10dB at 10kHz Speaker Output : 4Ω,8Ω,70V and 100V Digital Player : MP3 Player with USB,SD &MMC Card Reader and Remote Control Dim/Wt.: W420XH155XD320mm/13.80kg
66	6 Mic and 2 Aux input	Power Output: 250W RMS at 10% THD 220W RMS Max Input Channels: Mic:6xMic 0.65mV/4.7kΩ Aux:2XAux10mV/470kΩ,Line:1XLine1v/20kΩ Freq. Resp.: 50-15,000Hz±3dB Tone Controls:Bass ±10dB at 100Hz Treble ±10dB at 10kHz Speaker Output : 4Ω,8Ω,70V and 100V Digital Player : MP3 Player with USB,SD &MMC Card Reader and Remote Control Dim/Wt.: W450XH160XD340mm/16 kg
67	PA VHF Wireless Microphones	RECEIVER Audio Output: 0-50mV Freq. Resp.: 40-15,000Hz Antenna: Telescopic

		Power Reqd.: Ac:220-240V for AC adaptor TRANSMITTER RF Output Power: 10mW(Max.) Modulation Mode: FM
68	Speaker	T16WATTS Input Power : 16W/RMS/24W Max. Power : 16/8/4W on 100V Low imp : 8Ω Freq. Resp : 85-20,000Hz SPL(1W/1m) : 86 dB Dim.(mm) : W133 x H187 X D107 Wt. : 1.40kg
69	Graphic designing Monitor	XP Pen Artist-22, Graphic pen display 22" monitor 1080 pixel HD resolution of 1920 x 1080 pixels.with pen pressure sensitivity 2048 levels, 5080 frame per inch
70	Graphic pen Display tablet	XP Pen Star-06, 8192 pen pressure levels, 15.6 inch graphic display tablet, 5080 frame per inch
71	Document Camera or Visualiser	5 Megapixel HD CMOS Digital image sensor, Max 2592 x 1944 resolution, capture size A3/A4, power supply through USB
72	Short throw Projector	3200 lumens brightness, lamp life 5000/10000. 3 years warranty in lamp and projector
73	Projector Screen	Projection Screen : Type: Wall mount Motorized with remote control Size: 8x6 ft (High gain)

* For detail specification , HOD Mathematics may be contacted

- No of units to be purchased will depend on the quoted price
- The quoted price should include installation charge
- Inquiry if any may be

ANNEXTURE-II

Quotation For Books

Price together with discount to be provided on the books should be mentioned. The books should be of latest edition.

(A) Books of Mathematics

Author	Title	Publisher
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, Pearson Education	Linear Algebra and its Applications	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 Publishers, New Delhi
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 Delhi
I.N Herstein, , ,	Topics in Algebra	Wiley Eastern Limited, India
John B. Fraleigh	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
Stephen H. Friedberg, Arnold J. Insel, Lawrence E. Spence	Linear Algebra	PrenticeHall of India Pvt Ltd., New Delhi
M.J. Strauss, G.L. Bradley and K. J. Smith,	Calculus	Dorling Kindersley (India) Pvt. Ltd. (Pearson Education), Delhi,
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
P.K. Jain and K. Ahmad, ,	Metric Spaces	Narosa Publishing House, New Delhi.
Kanti Swarup, P.K. Gupta and Man Mohan-,	Operations Research	S. Chand and Co. Pvt. Ltd.
Kenneth H. Rosen, ,	Discrete Mathematics and Applications	Tata McGraw Hill Publications
Mokhtar S. Bazaraa, John J. Jarvis and Hanif D. Sherali	Programming and Network Flows (2nd edition), ,	John Wiley and Sons, India
.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
C.E. Weatherburn, ,	Differential Geometry of Three Dimensions	Cambridge University Press
F. S. Hillier and G. J. Lieberman,	Introduction to Operations Research (9 th Edition),	Tata McGraw Hill, Singapore
R.P. Grimaldi,	Discrete and Combinatorial Mathematics: An Applied Introduction	Pearson
R.A. Brualdi,	Introductory Combinatorics	pearson Education 2009
Alan Slomson ,	An introduction to combinatorics,	Chapman & hall Mathematics, Ist Edition 1991
P.J. Cameron	, Combinatorics , Topics Techniques Algorithm	Cambridge university press 1995
V. Krishnamurty, V. P. Mainra, J. L.	An introduction to Linear	Affiliated East-West Press Pvt. Ltd., New Delhi

Arora	Algebra	
I.H. Seth	Abstract Algebra,.	Prentice Hall of India Pvt. Ltd., New Delhi
B A. Davey and H. A. Priestley	Introduction to Lattices and Order	Cambridge University Press, Cambridge, 1990
Rudolf Lidl and Günter Piltz	Applied Abstract Algebra (2nd Edition)	Undergraduate Texts in Mathematics, Springer (SIE), Indian reprint, 2004
W. Rudin :	. Principles of Mathematical Analysis	McGraw Hill Education;
G. De. Barra	Measure Theory and Integration	New Age Internatinal
C. Musili s	Introduction to Rings and Module	;, Narosa Publishing house
I.S. Luthar and I. B.S. Passi	Algebra (Vol. 3 Modules),	Narosa Publishing House.
S. L. Lipschutz, Series)	3,000 Solved Problems in Linear Algebra (Schaum's Solved Problems	McGraw-Hill Education.
J. R. Munkres	Topology	Pearson Education,
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 Numerica Integration	Dover
M.C.Joshi and K.M.Moudgalya	Optimisation: Theory and Practice	Narosa Publishing Hou
J.A.Snyman	Practical mathematical Optimisation	Springr Science
P. B. Bhattacharya, S. K. Jain and S. R. Nagpaul : , ,	Basic Abstract Algebra	Cambridge University Press
N. Koblitz,	A Course in Number and 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	Cenage
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	Pragati Prakasan, Meerut,

	Value Problems	
.Lokenath Debnath and Dambaru Bhatta	Integral Transforms and Their Applications	, Chapman & Hall/CRC;

(B)Books of Computer Science

Author	Title	Publisher
E. Balaguruswamy	Programming in ANSI C,4/e	TMH
Paul Deitel, Harvey Deitel	C: How to Program	8/e, Prentice Hall
J. R. Hanly	Problem Solving & Program Design in C	7/e, Pearson
B. Kernighan & D.M. Ritchie	The C Programming Language	2/e PHI
Yashwant Kanetkar	Let us C	
R. Elmasri, S.B. Navathe	Fundamentals of Database Systems	6/e, Pearson Education, 2010
A. Silberschatz, H.F. Korth, S. Sudarshan	Database System Concepts	6/e, McGraw Hill, 2010
R. Ramakrishanan, J. Gehrke	Database Management Systems	McGraw-Hill
C. Coronel, S. Morris, & P. Rob	Database Principles (Fundamentals of Design, Implementation, and Management)	9/e, Cengage Learning
R.Ramakrisnan, J.Gehrke	Database management System	Mc Graw Hill
A Silberschatz, P.B. Galvin, G. Gagne	Operating Systems Concepts,	8/e, John Wiley Publications 2008
A.S. Tanenbaum	Modern Operating Systems	3/e, Pearson Education 2007
W. Stallings	Operating Systems, Internals & Design Principles	5/e, Prentice Hall of India. 2008
G. Nutt	Operating Systems: A Modern Perspective	Pearson Education 1997.
M.Mellenkovic	Operating Systems – concepts and design,	Tata McGraw Hill
E. Balgurusamy,.,	Object Oriented Programming with C++	4/e TMH
Paul Deitel, Harvey Deitel	C++: How to Program",	9/e. Prentice Hall
J. Farrell	Object-Oriented Programming,	Cengage Learning
Bjarne Stroustrup	Programming -- Principles and Practice using C++	2/e, Addison-Wesley 2014

D.Samanta	Classic Data Structures	2/e (PHI)
D.S Malik	Data Structure using C++	2/e, Cengage Learning, 2010
Adam Drozdek	Data Structures and algorithm in C++	3/e, Cengage Learning, 2012
Robert L. Kruse	Data Structures and Program Design in C++	Pearson.
M.Mano	Computer System Architecture	Pearson Education
W.Stalling	Computer Organisation and Architecture Designing for performance	8 th Edition, PHI , India
Carl Hamachar	Computer Organisation	Mc GrawHill
A.J.Dos Reis	Assembly Language and Computer Architecture using C++ and Java	Course Technology
E. Balagurusamy	Programming with Java	4/e, TMH
Bruce Eckel	Thinking Java	8/e, Pearson India, 2010.
John R. Hubbard	Programming with JAVA	<i>Schaum's Series</i> , 2/e, 2004
Cay S. Horstmann, Gary Cornell	Core Java 2 Volume 1	9/e, Printice Hall. 2012
Kenneth H Rosen, ,	Discrete Mathematics & Its Applications	McGraw-Hill. 7/e
Forouzan, B	Data Communications and Networking	TMH, 4/e
W. Stalling	Data & Computer Communication	8th edition, Prentice Hall of India
D. Bertsekas, R. Gallager		
D.E. Comer	Internetworking with TCP/IP, Vol. I,	Prentice Hall of India, 1998
D. Bertsekas, R. Gallager,	Data Networks	2nd edition, Prentice Hall of India, 1992
Donald Hearn & M. Pauline Baker	<i>Computer Graphics with OpenGL</i>	Pearson Education, Inc. New Delhi.
Virginia DeBolt	ted HTML and CSS A Smarter, Faster Way to Learn	Wiley / Sybex , 2006
Cassidy Williams	Camryn Williams Introduction to HTML and CSS	O'Reilly, 2015
<u>James D. Foley</u> , <u>Andries van Dam</u> , <u>Steven K. Feiner</u> , <u>John Hughes</u> .	Computer Graphics: Principles and Practice	
Steven Harrington	A Programming Approach	
<u>Dave Shreiner</u> , <u>Mason Woo</u>	OpenGL Programming Guide: The Official Guide to Learning OpenGL	Version 2
Steven Holzner	PHP: The Complete Reference Paperback	McGraw Hill Education (India), 2007

Timothy Boronczyk, Martin E. Psinas	PHP and MYSQL (Create-Modify-Reuse	Wiley India Private Limited, 2008.
Robin Nixon	Learning PHP, MySQL, JavaScript, CSS & HTML5	3rd Edition Paperback, O'reilly, 2014
Ivan Bayross	Web Enabled Commercial Application Development Using Html, DHTML, Javascript, Perl CGI	BPB Publications, 2009
Cay Horstmann	BIG Java	Wiley Publication , 3rd Edition., 2009
Herbert Schildt	Java 7, The Complete Reference,	8th Edition, 2009
Jim Keogh	The Complete Reference J2EE,	
Ian Sommerville	Software Engineering	9/e (Pearson Education)
<u>S. Thangasamy</u>	Essentials of Software Engineering Paperback	TMH, , 2002.
O'Reilly	Java Server Pages	Hans Bergsten, Third Edition, 2003
<u>Bali</u>	Fundamentals of Software Engineering Paperback	
Laurence V. Fausett	Applied Numerical Analysis, Using MATLAB	Pearson, 2/e (2012)
M.K. Jain, S.R.K. Iyengar and R.K. Jain	Numerical Methods for Scientific and Engineering Computation	New Age International Publisher, 6/e (2012)
Steven C Chapra	Applied Numerical Methods with MATLAB for Engineers and Scientists	Tata McGraw Hill, 2/e (2010)
Amos Gilat	MATLAB: An Introduction with Applications	2nd edition, Wiley, 2004
C.B. Moler	Numerical Computing with MATLAB	SIAM, 2004
Gaonkar	. Microprocessor	TMH
S P Choudhury & S Choudhury;.	Microprocessor and peripherals	Scitech publ
Steve Furber	ARM System-On-Chip Architecture	
<u>Bhurchandi</u>	Advanced microprocessors and peripherals	3rd edition paperback – 2012
<u>Mansih Kumar Ghodki</u>	Fundamentals of Microprocessor	

	Programming Paperback	
<u>Ajoy Ray , K Bhurchandi</u>	Advanced Microprocessors and Peripherals Paperback	
DAN.W. Patterson,–	Introduction to A.I and Expert Systems	PHI, 2007
Russell &Norvig,	Artificial Intelligence-A Modern Approach,	LPE, Pearson Prentice Hall, 2nd edition, 2005.
Rich & Knight, –	Artificial Intelligence	Tata McGraw Hill, 2nd edition, 1991.
W.F. Clocksin and Mellish,	Programming in PROLOG,	Narosa Publishing House, 3rd edition, 2001.
Ivan Bratko, ,	Prolog Programming for Artificial Intelligence	Addison-Wesley, Pearson Education, 3rd edition, 2000.
T.H. Cormen, Charles E. Leiserson, Ronald L. Rivest, ,	Clifford Stein Introduction to Algorithms	PHI, 3rd Edition 2009
Sarabasse& A.V. Gelder	Computer Algorithm – Introduction to Design and Analysis,	Publisher – Pearson 3rd Edition 1999
Jiawei Han and Micheline Kamber, Morgan	Data Mining Concepts and Techniques,	Kaufman Publications
Adriaan ,	Introduction to Data Mining ,	Addison Wesley Publication
A.K.Pujari ,	Data Mining Techniques	University Press