

INDIAN INSTITUTE OF TECHNOLOGY DELHI
CENTRAL LIBRARY
LIST OF NEW ARRIVAL BOOKS (October-December 2018)

APPLIED MECHANICS

BU/AM

1. Esmailzadeh, Ebrahim

Analytical methods in nonlinear oscillations: approaches and applications / by Ebrahim Esmailzadeh, Davood Younesian and Hassan Askari. - Netherlands: Springer, 2019.
xv, 286p.(Solid mechanics and its applications, 252).
ISBN : 9789402415407. : Rs. 11362.99.

****1. Nonlinear oscillations 2. Solid Mechanics.I. Younesian, Davood
II. Askari, Hassan III. Title IV. Series
517.93:531.32/.33 ESM-A 172393**

BU/AM

2. Okereke, Michael

Finite element applications: a practical guide to the FEM process / by Michael Okereke and Simeon Keates. - Switzerland: Springer, 2018.
xxiv, 472p.(Springer tracts in mechanical engineering).
ISBN : 9783319671246. : Rs. 8116.19.

**** 1. Engineering 2. Computer simulation 3. Mathematical and
computational engineering.I. Keates, Simeon II. Title III. Series
517.96:681.3.06 OKE-F 172366**

BU/AM

3. Song, Chongmin

Scaled boundary finite element method: introduction to theory and implementation / by Chongmin Song. - Hoboken: John Wiley, 2018.
xxi, 478p.
ISBN : 9781119388159. : Rs. 10283.00.

****1. Boundary element methods 2. Finite element method 3.
Science-Mechanics.I. Title
517.96:681.3.06M SON-S 172322**

BU/AM

4. Dasgupta, Gautam

Finite element concepts: a closed-form algebraic development / by Gautam Dasgupta. - New York: Springer, 2018.
xxxvi, 333p.
ISBN : 9781493974214. : Rs. 7304.49.

****1. Engineering 2. Partial differential equations 3. Computer
mathematics.I. Title
517.962 DAS-F 172384;AM**

BU/AM

5. Finite element analysis of structures through unified formulation / by Erasmo Carrera...(et. al.). - West Sussex: John Wiley, 2014.

xxiii, 385p.

ISBN : 9781119941217. : Rs. 9996.75.

**1. Numerical analysis 2. Finite element method.I. Carrera, Erasmo

II. Title

517.962:519.6 -FIN

172165

BU/AM

6. Quarteroni, Alfio

Numerical models for differential problems / by Alfio Quarteroni. -

3rd ed. - Switzerland: Springer, 2018.

xvii, 692p.(MS and A-modeling, simulation and applications, 16).

ISBN : 9783319493152. : Rs. 6875.94.

**1. Numerical solutions 2. Differential equations, Partial 3.

Numerical analysis.I. Title II. Series

519.63 QUA-N

172174

BU/AM

7. Engineering mechanics 2: mechanics of materials / by Dietmar Gross...(et. al.). - 2nd ed. - Germany: Springer, 2018.

ix, 311p.

ISBN : 9783662562710. : Rs. 4841.79.

**1. Engineering 2. Continuum mechanics 3. Mechanical engineering.I.

Gross, Dietmar II. Title

531:62 -ENG

172343

BU/AM

8. Eremeyev, Victor A

Applications of tensor analysis in continuum mechanics / by Victor A

Eremeyev, Michael J Cloud and Leonid P Lebedev. - Singapore: World Scientific, 2018.

ix, 415p.

ISBN : 9789813238961. : Rs. 10136.10.

**1. Continuum mechanics 2. Calculus of tensors 3. Engineering

mathematics.I. Cloud, Michael J II. Lebedev, Leonid P III. Title

531.111.4 ERE-A

172321

BU/AM

9. Billingsley, John

Essentials of dynamics and vibrations / by John Billingsley. -

Switzerland: Springer, 2018.

vii, 165p.

ISBN : 9783319565163. : Rs. 6455.99.

** 1. Dynamics 2. Vibration 3. Mechanics 4. Computer

science-Mathematics.I. Title

531.3 BIL-E

172373

BU/AM

10. Barber, J. R.

Contact mechanics / by J. R. Barber. - Switzerland: Springer, 2018.
 xvii, 585p.(Solid mechanics and its applications, 250).
 ISBN : 9783319709383. : Rs. 9684.39.

**1. Applied mathematics 2. Engineering mathematics.I. Title II.

Series

531.36/.38 BAR-C 172367

BU/AM

11. Gould, Phillip L

Introduction to linear elasticity / by Phillip L. Gould and Yuan
 Feng. - 4th ed. - Switzerland: Springer, 2018.
 xx, 384p.
 ISBN : 9783319738840. : Rs. 7263.09.

**1. Elasticity 2. Mechanical engineering 3. Continuum mechanics and
 mechanics of materials.I. Feng, Yuan II. Title

539.3:512.8 GOU-I 172387

BU/AM

12. Rhinehart, R. Russell

Engineering optimization: applications, methods and analysis / by R.
 Russell Rhinehart. - Hoboken: John Wiley, 2018.
 xxxvii, 731p.
 ISBN : 9781118936337. : Rs. 9522.50.

**1. Mathematical optimization 2. Engineering-Mathematical models.I.

Title

62:519.863 RHI-E 172325;AM

BU/AM

13. Numerical methods in mechanics of materials: with applications from
 nano to macro scales / by Ken P. Chong...(et. al.). - 3rd ed. - Boca
 Raton: CRC Press, 2018.

xiv, 317p.

ISBN : 9781138719163. : Rs. 7699.84.

**1. Numerical analysis 2. Strength of materials-Mathematical models
 3. Materials-Mechanical properties.I. Chong, Ken P. II. Title

620.1:517.96 -NUM 172029

BU/AM

14. Dharan, C.K.H.

Finnie's notes on fracture mechanics: fundamental and practical lessons / by C.K.H. Dharan, B.S. Kang and Iain Finnie. - New York: Springer, 2016.

xv, 249p.

ISBN : 9781493924769. : Rs. 6672.77.

**1. Fracture mechanics 2. Engineering 3. Applied mechanics 4. Engineering design.I. Kang, B.S. II. Finnie, Iain III. Title

620.17 DHA-F 172209;AM

BU/AM

15. Savruk, Mykhaylo P.

Stress concentration at notches / by Mykhaylo P. Savruk and Andrzej Kazberuk. - Switzerland: Springer, 2017.

xviii, 498p.

ISBN : 9783319445540. : Rs. 12512.17; Rs. 12437.17.

**1. Integral equations 2. Fracture mechanics-Mathematical models 3. Stress concentration 4. Engineering mathematics.I. Kazberuk, Andrzej II. Title

620.17:517.968 SAV-S 172210, 172425;AM

BU/AM

16. Petinov, Sergei V.

In-service fatigue reliability of structures / by Sergei V. Petinov. - Switzerland: Springer, 2018.

xvi, 201p.(Solid mechanics and its application, 251).

ISBN : 9783319893174. : Rs. 9739.59.

**1. Engineering 2. Probabilities 3. Structural mechanics 4. Technical education.I. Title II. Series

620.178.3 PET-I 172385

BU/AM

17. Gonzalez-Velazquez, Jorge Luis

Fractography and failure analysis / by Jorge Luis Gonzalez-Velazquez. - Switzerland: Springer, 2018.

xi, 165p.(Structural integrity, 3).

ISBN : 9783319766508. : Rs. 10389.93.

**1. Fracture mechanics-Methodology 2. Materials-Fatigue 3. Technology and Engineering.I. Title II. Series

620.184 GON-F 172104

BU/AM

18. Um, Dugan

Solid modeling and applications: rapid prototyping, CAD and CAE theory / by Dugan Um. - 2nd ed. - Switzerland: Springer, 2018. x, 335p.

ISBN : 9783319745930. : Rs. 6086.94.

**1. Computer-Aided engineering 2. Engineering design 3. Differential equations, Partial 4. Production engineering.I. Title

621-4:681.3 UM-S 172386

BU/AM

19. Mechanics of microsystems / by Alberto Corigliano...(et.al.). - Hoboken: John Wiley, 2018.

xxiii, 397p.(Wiley microsystem and nanotechnology series).

ISBN : 9781119053835. : Rs. 9626.50.

** 1. Microelectromechanical systems 2. Technology and engineering - Mechanical.I. Corigliano, Alberto II. Title III. Series

621.3 -MEC 172237

BU/AM

20. Busby, Henry R.

Structural dynamics: concepts and applications / by Henry R. Busby and George H. Staab. - Boca Raton: CRC Press, 2018.

xv, 581p.

ISBN : 9781498765947. : Rs. 10889.28.

**1. Structural dynamics 2. Technology & Engineering-Structural 3. Technology & Engineering-Civil-General.I. Staab, George H. II. Title

624.04 BUS-S 172198

BU/AM

21. Karimirad, Madjid

Offshore mechanics: structural and fluid dynamics for recent applications / by Madjid Karimirad, Constantine Michailides and Ali Nematbakhsh. - Hoboken: John Wiley, 2018.

xiii, 289p.

ISBN : 9781119216629. : Rs. 9704.50.

**1. Offshore structures-Hydrodynamics.I. Michailides, Constantine II. Nematbakhsh, Ali III. Title

627.2 KAR-O 172111

BU/AM

22. Jawad, Maan H.

Structural analysis and design of process equipment / by Maan H. Jawad and James R. Farr. - 3rd ed. - Hoboken: American Institute of Chemical Engineers/John Wiley, 2019.

xxi, 457p.

ISBN : 9781119102830. : Rs. 11103.79.

**1. Chemical plants-Equipment and supplies-Design and construction

2. Chemical engineering-Equipment and supplies-Design and

construction.I. Farr, James R. II. Title

66.042:624.04 JAW-S 172135**BIOCHEMICAL ENGINEERING & BIOTECHNOLOGY****BU/BEB**

23. Seydel, Rudiger

Practical bifurcation and stability analysis / by Rudiger Seydel. -

3rd ed. - New York: Springer, 2009.

xvii, 483p.(Interdisciplinary applied mathematics, 5).

ISBN : 9781461425304. : Rs. 5994.72.

**1. Bifurcation theory 2. Mathematical physics 3. Numerical analysis

4. Differentiable dynamical systems 5. Engineering mathematics.I.

Title II. Series

517.91 SEY-P 172023;BEB**BU/BEB**

24. Glasman-Deal, Hilary

Science research writing: for non-native speakers of English / by

Hilary Glasman-Deal. - London: Imperical College Press, 2010.

xiii, 257p.

ISBN : 9781848163102. : Rs. 1673.75.

**1. Technical writing 2. English language 3. English

language-Technical English 4. Communication in science.I. Title

808.1:811.111 GLA-S 169795**BOOK BANK****BU/BB**

25. Goldberg, Richard R

Methods of real analysis / by Richards R Goldberg. - New Delhi:

Oxford, 1970.

359p.

ISBN : 9788120417571. : Rs. 495.00 (Each Copy).

**1. Functions of real variables 2. Mathematical analysis.I. Title

517.51 GOL-M BB76383 - BB76387

BU/CARE

30. Jarry, Pierre

Microwave amplifier and active circuit design using the real frequency technique / by Pierre Jarry and Jacques N. Beneat. - Hoboken: John Wiley, 2016.

xii, 273p.

ISBN : 9781119073208. : Rs. 8780.34.

**1. Microwave amplifiers-Design and construction 2. Electric filters, Active-Design and construction.I. Beneat, Jacques N. II.

Title

621.375 JAR-M

172003

BU/CARE

31. Apte, Shaila Dinkar

Random signal processing / by Shaila Dinkar Apte. - Boca Raton: CRC Press, 2018.

xxi, 440p.

ISBN : 9781138746275. : Rs. 7107.75.

**1. Random variables 2. Signal processing.I. Title

621.381 APT-R

171940

BU/CARE

32. Recent advances in information, communications and signal processing / edited by Andy W.H. Khong and Yong Liang Guan. - Denmark: River Publishers, 2018.

xxx, 187p.(River publisher series in signal, image and speech processing).

ISBN : 9788793609433. : Rs. 8928.00.

**1. Signal processing 2. Wireless communication systems 3.

Information technology.I. Ed.Khong, Andy W.H. II. Ed.Guan, Yong Liang

III. Title IV. Series

621.391 -REC

171952

BU/CARE

33. Cooperative and graph signal processing: principles and applications / edited by Petar M. Djuric and Cedric Richard. - London: Academic Press, 2018.

xxviii, 837p.

ISBN : 9780128136775. : Rs. 9000.00.

**1. Signal processing 2. Graph theory.I. Ed.Djuric, Petar M. II.

Ed.Richard, Cedric III. Title

621.391.81:519.17 -COO

171951

BU/CARE

34. Edwards, Terry

Technologies for RF systems / by Terry Edwards. - Boston: Artech House, 2018.

xv, 284p.(Artech House microwave library).

ISBN : 9781630814502. : Rs. 12232.64.

**1. Radio circuits - Design and construction 2. Radio frequency 3.

Microwave circuits.I. Title II. Series

621.396 EDW-T 171914

BU/CARE

35. Sharawi, Mohammad S.

Design and applications of active integrated antennas / by Mohammad S. Sharawi and Oualid Hammi. - Norwood: Artech House, 2018.

xv, 247p.(Artech House antennas and electromagnetics analysis library).

With CD-ROM.

ISBN : 9781630813581. : Rs.13154.00.

**1. Mobile and wireless communications 2. WAP (Wireless)

technology.I. Hammi, Oualid II. Title III. Series

621.396.67 SHA-D 172128

CENTRE FOR ATMOSPHERIC SCIENCES**BU/CAS**

36. Vallis, Geoffrey K.

Atmospheric and oceanic fluid dynamics: fundamentals and large-scale circulation / by Geoffrey K. Vallis. - 2nd ed. - Cambridge: Cambridge University Press, 2017.

xviii, 946p.

ISBN : 9781107065505. : Rs. 8167.65.

**1. Ocean atmosphere interaction 2. Fluid dynamics.I. Title

551.2:532.5 VAL-A 172068

BU/CAS

37. Mak, Mankin

Atmospheric frontal dynamics / by Mankin Mak. - New York: Cambridge University Press, 2018.

x, 195p.

ISBN : 9781107133204. : Rs. 9150.40.

**1. Air masses 2. Atmospheric physics 3. Fronts (Meteorology).I.

Title

551.511 MAK-A 172008

BU/CAS

38. Li, Tim

Fundamentals of tropical climate dynamics / by Tim Li and Pang-chi Hsu. - Switzerland: Springer, 2018.
x, 229p.(Springer atmospheric science).
ISBN : 9783319595955. : Rs. 6524.90.

**1. Dynamic climatology 2. Tropics 3. Climatology 4. Oceanography 5. Meteorology.I. Hsu, Pang-chi II. Title III. Series
551.511.3 Li-F 171912

BU/CAS

39. Shallow clouds, water vapor, circulation and climate sensitivity / edited by Robert Pincus...(et. al.). - Switzerland: Springer, 2018.

viii, 396p.(Space sciences series of ISSI, 65).
Previously published in surveys in geophysics, volume 38, issue 6, 2017.
ISBN : 9783319772721. : Rs. 10119.96.

**1. Meteorology 2. Aqueous vapour- Hydrometeors 3. Atmospheric sciences.I. Ed.Pincus, Robert II. Title III. Series
551.57 -SHA 172184

BU/CAS

40. Pollution and the atmosphere: designs for reduced emissions / edited by Marco Ragazzi. - Toronto: Apple Academic Press/ CRC Press, 2017.

xxiii, 295p.
ISBN : 9781771885133. : Rs. 9381.28.

**1. Waste gases 2. Air-Pollution 3. Greenhouse gas mitigation 4. Hazardous waste site remediation.I. Ed.Ragazzi, Marco II. Title
628.5:551.58 -POL 171906

CENTRE FOR BIOMEDICAL ENGINEERING**BU/CBME**

41. Jenkinson, Mark

Introduction to neuroimaging analysis / by Mark Jenkinson and Michael Chappell. - New York: Oxford University Press, 2018.
xvii, 258p.(Oxford neuroimaging primers).
ISBN : 9780198816300. : Rs. 2368.30.

**1. Nervous system-Imaging 2. Brain-Imaging 3. Brain-Diseases-Diagnosis 4. Brain mapping.I. Chappell, Michael II. Title III. Series
612.8 JEN-I 171944

BU/CBME

42. Lancaster, Jack L.

Fundamental mathematics and physics of medical imaging / by Jack L. Lancaster and Bruce Hasegawa. - Boca Raton: CRC Press, 2017. xxiii, 318p.(Series in medical physics and biomedical engineering). ISBN : 9781498751612. : Rs. 6452.47 (Each copy).

**1. Medical physics 2. Diagnostic imaging-Mathematics 3. Imaging systems in medicine.I. Hasegawa, Bruce II. Title III. Series
616-073 LAN-F 172024, 172025;CBME

BU/CBME

43. Quantitative MRI of the brain: measuring changes caused by disease / edited by Paul Tofts. - Hoboken: John Wiley, 2004.

xvi, 633p.
ISBN : 9780470014295. : Rs. 14064.00.

**1. Brain-Magnetic resonance imaging 2. Magnetic resonance imaging 3. Brain.I. Ed.Tofts, Paul II. Title
616-073 -QUA 171937;CBME

BU/CBME

44. Chappell, Michael

Introduction to perfusion quantification using arterial spin labelling / by Michael Chappell, Bradley Macintosh and Thomas Okell. - Oxford: Oxford University Press, 2018. xv, 135p.(Oxford neuroimaging primers). ISBN : 9780198793816. : Rs. 2178.76.

**1. Brain-Imaging 2. Neuroimaging.I. Macintosh, Bradley II. Okell, Thomas III. Title IV. Series
616.831-073 CHA-I 171945

CENTRE FOR ENERGY STUDIES**BU/CES**

45. Kutscher, Charles F.

Principles of sustainable energy systems / by Charles F. Kutscher, Jana B. Milford and Frank Kreith. - 3rd ed. - Boca Raton: CRC Press, 2019. xxiii, 629p.(Mechanical and aerospace engineering). ISBN : 9781498788922. : Rs. 14208.85.

** 1. Renewable energy sources.I. Milford, Jana B. II. Kreith, Frank III. Title IV. Series
620.9 KUT-P 172342

BU/CES

46. Stacey, Weston M.

Nuclear reactor physics / by Weston M. Stacey. - 3rd rev. ed. -
Weinheim: Wiley-VCH, 2018.
xxx, 735p.
ISBN : 9783527413669. : Rs. 17946.25.

**1. Nuclear engineering 2. Nuclear fission 3. Nuclear physics 4.
Nuclear reactors.I. Title
621.039 STA-N 172017

BU/CES

47. Kirschen, Daniel S.

Fundamentals of power system economics / by Daniel S. Kirschen and
Goran Strbac. - 2nd ed. - Hoboken: John Wiley, 2018.
xv, 327p.
ISBN : 9781119213246. : Rs. 8383.50.

**1. Electric utilities 2. Electric power distribution 3.
Interconnected electric utility systems.I. Strbac, Goran II. Title
621.311 KIR-F 171953

BU/CES

48. Power system fundamentals / by Pedro Ponce...(et. al.). - Boca Raton:
CRC Press, 2018.

xv, 429p.
ISBN : 9781138554436. : Rs. 9632.00.

**1. Smart power grids 2. Electric power distribution.I. Ponce, Pedro
II. Title
621.311 -POW 172018

BU/CES

49. Raja, J.

Practices in power system management in India / by J. Raja, P.
Ajay-D-Vimal Raj and S. Rajasekar. - Singapore: Springer, 2018.
xxi, 194p.(Power systems).
ISBN : 9789811029714. : Rs. 10169.15.

**1. Electric power systems-Management-India 2. Technology and
engineering-India 3. Energy-India.I. Raj, P. Ajay-D-Vimal II.
Rajasekar, S. III. Title IV. Series
621.316(540) RAJ-P 171954

BU/CES

50. Kitai, Adrian

Principles of solar cells, LEDs and related devices: the role of the PN junction / by Adrian Kitai. - 2nd ed. - Hoboken: John Wiley, 2019. xiii, 400p.

ISBN : 9781119451020. : Rs. 6906.50.

**1. Diodes, Semiconductor 2. Light emitting diodes 3. Semiconductors - Junctions.I. Title

621.383.51 KIT-P 172326

BU/CES

51. Corke, Thomas

Wind energy design / by Thomas Corke and Robert Nelson. - Boca Raton: CRC Press, 2018.

xxvi, 326p.

ISBN : 9781138096028. : Rs. 10523.70.

** 1. Wind turbines - Design and construction 2. Wind power plants - Design and construction 3. Technology and Engineering - Mechanical.I. Nelson, Robert II. Title

621.548 COR-W 172292

CENTRE FOR RURAL DEVELOPMENT & TECHNOLOGY**BU/CRDT**

52. Buckley, Samuel

Farming techniques for agriculture and animal husbandry / by Samuel Buckley , L.C. Corbett and W.A. Cochel. - New Delhi: Scientific International / Medtech, 2018.

1088p.

ISBN : 9789386479914. : Rs. 2495.00 (Each copy).

**1. Agriculture in general 2. Animal husbandry.I. Corbett, C.L. II. Coachel, W.A. III. Title

631/636 BUK-F 172248, 172249;CRDT

BU/CRDT

53. World healing plants for tomorrow: an insight into further research / edited by C. P. Khare. - New Delhi: Daya Publishing /Astral International, 2018.

xi, 689p.

ISBN : 9789351249535. : Rs. 8995.00.

**1. Medicinal Plants.I. Ed.Khare, C. P. II. Title

633.88 -WOR 172250

BU/CRDT

54. Ayurveda: at the turning point / edited by Chandra Kant Katiyar and C.P. Khare. - Middlesex: Kruger Brentt Publisher, 2018.

xviii, 625p.

ISBN : 9781787150058. : Rs. 7653.60.

**1. Medicine, Ayurvedic-India 2. Materia medica, Vegetable-India.I.

Ed.Katiyar, Chandra Kant II. Ed.Khare, C.P. III. Title

633.88(540) -AYU

172252

BU/CRDT

55. Ethnic healing herbs for cold, flu and lungs ailments / by S.K. Sood...(et. al.). - Delhi: Daya publishing house, 2011.

viii, 265p.

ISBN : 9788170356912. : Rs. 1395.00 (Each copy).

**1. Materia medica, Vegetable 2. Medicinal plants 3. Traditional medicine 4. Herbs-Therapeutic use.I. Sood, S.K. II. Title

633.882 -ETH

172255, 172256;CRDT

BU/CRDT

56. Pullaiah, T.

Antidiabetic plants in india and herbal based antidiabetic research / by T. Pullaiah and K. Chandrasekhar Naidu. - New Delhi: Regency Publications/Astral International, 2016.

iii, 321p.

ISBN : 9788187498674. : Rs. 1695.00.

**1. Medicinal plants - India 2. Diabetes-Treatment-India 3. Materia medica, Vegetable-India.I. Naidu, K. Chandrasekhar II. Title

633.884(540) PUL-A

172251

BU/CRDT

57. Biomass energy with carbon capture and storage (BECCS): unlocking negative emissions / edited by Clair Gough...(et. al.). - Hoboken: John wiley, 2018.

xxi, 308p.

ISBN : 9781119237723. : Rs. 7997.00 (Each copy).

**1. Carbon sequestration 2. Biomass energy - Climatic factors 3. Climate change mitigation.I. Ed.Gough, Clair II. Title

662.767.2:546.26 -BIO

172307, 172308;CRDT

CHEMICAL ENGINEERING

BU/CHE

58. Broemeling, Lyle D.

Bayesian inference for stochastic processes / by Lyle D. Broemeling.

- Boca Raton: CRC Press, 2018.

xv, 432p.

ISBN : 9781138196131. : Rs. 10898.55.

**1. Bayesian statistical decision theory 2. Stochastic processes 3.

Probabilities.I. Title

519.226 BRO-B 171901

BU/CHE

59. Escudier, Marcel

Introduction to engineering fluid mechanics / by Marcel Escudier. -

Oxford: Oxford University Press, 2017.

xxx, 577p.

ISBN : 9780198719885. : Rs. 3410.40.

**1. Fluid mechanics.I. Title

532 ESC-I 172161

BU/CHE

60. Fluid-structure interaction: modeling, adaptive discretizations and solvers / edited by Stefan Frei...(et. al.). - Berlin: De Gruyter, 2017.

xiv, 369p.(Radon series on computational and applied mathematics, 20).

ISBN : 9783110495270. : Rs. 10310.90.

**1. Fluid-structure interaction.I. Ed.Frei, Stefan II. Title III.

Series

532.5:51 -FLU 172159

BU/CHE

61. Ghiaasiaan, S. Mostafa

Convective heat and mass transfer / by S. Mostafa Ghiaasiaan. - 2nd

ed. - Boca Raton: CRC Press, 2018.

xxv, 616p.(Heat transfer).

ISBN : 9780815361411. : Rs. 14128.80.

**1. Heat-Convection 2. Technology and engineering 3. Mechanical.I.

Title II. Series

536.25 GHI-C 172149;CHE

BU/CHE

62. Keeler, James

Chemical structure and reactivity: an integrated approach / by James Keeler and Peter Wothers. - 2nd ed. - Oxford: Oxford University Press, 2014.

xvii, 877p.

ISBN : 9780199604135. : Rs. 5065.91.

**1. Chemical structure 2. Reactivity (Chemistry).I. Wothers, Peter II. Title

544.1:544.42 KEE-C 172148

BU/CHE

63. Catalysis: an integrated textbook for students / edited by Ulf Hanefeld and Leon Lefferts. - Weinheim: John Wiley, 2018.

xiii, 370p.

ISBN : 9783527341597. : Rs. 7920.00.

I. Ed.Hanefeld, Ulf II. Ed.Lefferts, Leon III. Title

544.4 -CAT 171935;CHE

BU/CHE

64. Dufresne, Alain

Nanocellulose: from nature to high performance tailored materials / by Alain Dufresne. - 2nd ed. - Berlin: De Gruyter, 2018.

xvi, 632p.

ISBN : 9783110478488. : Rs. 12889.70.

**1. Cellulose nanocrystals 2. Cellulose-Chemistry 3. Cellulose-Mechanical properties.I. Title

547.458.8:620.3 DUF-N 172151

BU/CHE

65. Industrial applications of marine biopolymers / edited by P. N. Sudha. - Boca Raton: CRC Press, 2017.

xvii, 607p.

ISBN : 9781498731485. : Rs. 13741.65.

**1. Marine resources 2. Biopolymers-Industrial applications.I. Ed.Sudha, P. N. II. Title

577.11:551.35 -IND 171905

BU/CHE

66. Bhunia, Arun K.

Foodborne microbial pathogens: mechanisms and pathogenesis / by Arun K. Bhunia. - 2nd ed. - New York: Springer, 2018.

xxvi, 365p.(Food science text series).

ISBN : 9781493973477. : Rs.7735.54.

**1. Pathogenic bacteria 2. Bacterial genetics 3. Foodborne diseases-Microbiology 4. Host-Bacteria relationships.I. Title II. Series

579.67:616-092 BHU-F 172160

BU/CHE

67. Rhinehart, R. Russell

Engineering optimization: applications, methods and analysis / by R. Russell Rhinehart. - Hoboken: John Wiley, 2018.

xxxvii, 731p.

ISBN : 9781118936337. : Rs. 9522.50.

**1. Mathematical optimization 2. Engineering-Mathematical models.I.

Title

62:519.863 RHI-E 171900

BU/CHE

68. Emerging nanotechnologies in rechargeable energy storage systems / edited by Lide M. Rodriguez-Martinez and Noshin Omar. - Cambridge: Elsevier, 2017.

xiii, 331p.(Micro & nano technologies series).

ISBN : 9780323429771. : Rs. 13122.00.

**1. Nanotechnology 2. Storage batteries 3. Storage batteries-Materials 4. Electric vehicles-Batteries.I.

Ed.Rodriguez-Martinez, Lide M. II. Ed.Omar, Noshin III. Title IV.

Series

620.3 -EME 171919;CHE

BU/CHE

69. Nanotechnologies in food / edited by Qasim Chaudhry, Laurence Castle and Richard Watkins. - 2nd ed. - London: Royal Society of Chemistry, 2017.

xvii, 295p.(Nanoscience and nanotechnology series, 42).

ISBN : 9781782621713. : Rs. 16016.13.

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