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APPLIED MECHANICS

BU/AM

1. Jones, Norman

Structural impact / by Norman Jones. - 2nd ed. - Cambridge: Cambridge University Press, 2012. xvii, 584p.

ISBN : 9781107010963. : Rs. 10979.85.

**1. Structural dynamics 2. Girders 3. Plates - Engineering 4. Shells - Engineering.I. Title

624.04 JON-S

175306

BOOK BANK

BU/BB

2. Griffiths, David J.

Introduction to electrodynamics / by David J. Griffiths. - 4th South Asia edition. - New Delhi: Cambridge University Press, 2020. xviii, 599p.

ISBN : 9781108822909.

** 1. Electrodynamics 2. Electromagnetism.I. Title

538.3 GRI-I

BB76255

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3. Bobrow, Leonard S.

Foundations of electrical engineering / by Leonard S. Bobrow. - Asian edition. - New Delhi: Oxford University Press, 2013. xii, 880.

ISBN : 9780198086895. : Rs. 1050.00 (Each Copy).

**1. Electrical engineering.I. Title

621.3 BOB-F

BB76542 - BB76546

CENTRAL LIBRARY

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4. Developing librarian competencies for the digital age / edited by Jeffrey G. Coghill and Roger G. Russell. - Lanham: Rowman & Littlefield, 2017.

xiii, 166p.(Medical Library Association books).

ISBN : 9781442264441. : Rs. 3560.82.

** 1. Libraries - Information technology 2. Library Science - Trends.I. Coghill, Jeffrey G, Ed. II. Russell, Roger G, Ed. III. Title IV. Series

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5. Buttcher, Stefan

Information retrieval: implementing and evaluating search engines / by Stefan Buttcher, Charles L. A. Clarke, and Gordon V. Cormack. - Cambridge: MIT Press, 2016. xxiv, 606p.

ISBN : 9780262528870. : Rs. 3386.25.

**1. Search engines - Programming 2. Information retrieval.I. Clarke, Charles L. A. II. Cormack, Gordon V. III. Title

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6. Needham, Charles E.

Blast waves / by Charles E. Needham. - 2nd ed.. - Cham: Springer, 2018. xiv, 424p.(Shock wave and high pressure phenomena).
ISBN : 9783319653815. : Rs. 10347.95.

**1. Shock waves 2. Blast effect.I. Title II. Series

533.6.011.7 NEE-B 175300

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7. Lu, Wei

Spectroscopy of semiconductors: numerical analysis bridging quantum mechanics and experiments / by Wei Lu and Ying Fu. - Cham: Springer, 2018. x, 240p.(Springer series in optical science, 215).
ISBN : 9783319949529. : Rs. 10740.30.

**1. Superconductors 2. Laser technology 3. Microwave technology 4. Spectrum analysis.I. Fu, Ying II. Title III. Series

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8. Bobrow, Leonard S.

Foundations of electrical engineering / Leonard S. Bobrow. - Asian edition. - New Delhi: Oxford University Press, 2013. xii, 880.
ISBN : 9780198086895. : Rs. 1050.00 (Each Copy).

**1. Electrical engineering.I. Title

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9. Ceramic processing: industrial practices / edited by Debasish Sarkar. - Boca Raton: CRC Press, 2020.

xviii, 366p.
ISBN : 9780367727062. : Rs. 4516.53.

** 1. Ceramics 2. Ceramic materials.I. Sarkar, Debasish, Ed. II. Title

666.3 -CER 175339

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10. Gomez-Perez, Asuncion

Ontological engineering: with examples from the areas of knowledge management, e-commerce and the semantic web / by Asuncion Gomez-Perez, Mariano Fernandez-Lopez and Oscar Corcho. - London: Springer, 2004. xii, 403p.(Advanced information and knowledge processing).
ISBN : 9781852335519. : Rs. 12624.30.

**1. Computer science - Expert system 2. Information system.I. Fernandez-Lopez, Mariano II. Corcho, Oscar III. Title IV. Series

681.3 GOM-O 175214

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11. Nature-inspired cyber security and resiliency: fundamentals, techniques and applications / edited by El-Sayed M. El-Alfy... (et al.). - London: Institution of Engineering and Technology, 2019.

xxiv, 454p.(IET security series, 10).

ISBN : 9781785616389. : Rs. 13017.50.

**1. Computer security 2. Security of data.I. El-Alfy, El-Sayed M, Ed. II. Title III. Series

681.3-7 -NAT

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CENTRE FOR APPLIED RESEARCH IN ELECTRONICS**BU/CARE**

12. Morgan, Matthew A.

Reflectionless filters / by Matthew A. Morgan. - London: Artech House, 2017. xvii, 258p.

ISBN : 9781630813277. : Rs. 12298.80.

** 1. Microwave filters.I. Title

535.345.62 MOR-R

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13. Stutzman, Warren L.

Polarization in electromagnetic systems / by Warren Stutzman. - 2nd ed.. - Boston:

Artech House, 2018. xix, 352p.

ISBN : 9781630811075. : Rs.15885.95.

** 1. Antennas(Electronics) 2. Electromagnetic waves - Polarization.I. Title

537.871.5 STU-P

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14. Workshop on Advances in Analog Circuit Design 2018 (Scotland :2018 :27th)

Low-power analog techniques, sensors for mobile devices, and energy efficient amplifiers: proceedings held at Edinburgh, Scotland, from May 14 to 16, 2018 / edited by Kofi A. A. Makinwa, Andrea Baschiroto and Pieter Harpe. - Cham: Springer, 2019. xii, 399.

ISBN : 9783319978697. : Rs.12457.71.

** 1. Analog integrated circuits - Congresses 2. Low voltage integrated circuits - Congresses 3. Detectors - Congresses 4. Amplifiers - Congresses.I. Makinwa, Kofi A. A., Ed. II. Baschiroto, Andrea, Ed. III. Harpe, Pieter, Ed. IV. Title

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15. Cameron, Richard J.

Microwave filters for communication systems: Fundamentals, design, and applications / by Richard J. Cameron, Chandra M. Kudsia and Raafat R. Mansour. - 2nd ed.. - Hoboken: John Wiley, 2018. xxix, 897p.

ISBN : 9781118274347. : Rs. 10907.49.

** 1. Microwave filters 2. Telecommunication systems 3. Telecommunication systems - Equipment and supplies.I. Kudsia, Chandra M II. Mansour, Raafat R III. Title

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16. Handbook of automotive power electronics and motor drives / edited by Ali Emadi. - Special Indian Edition. - Boca Raton: CRC Press, 2019.
xxiv, 704p.(Electrical and computer engineering, 125).
ISBN : 9780367247393. : Rs. 3500.00.

** 1. Automobiles - Electronic equipment - Handbooks, manuals, etc. 2. Power electronics - Handbooks, manuals, etc. 3. Electric motors - Handbooks, manuals, etc.I. Emadi, Ali, Ed. II. Title III. Series

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CENTRE FOR ENERGY STUDIES

BU/CES

17. Fundamenski, Wojciech
Power exhaust in fusion plasmas / by Wojciech Fundamenski. - Cambridge: Cambridge University Press, 2014. xii, 431.
ISBN : 9781107424210. : Rs. 4406.85.

**1. Plasma confinement 2. Tokamaks.I. Title

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18. Morse, Edward
Nuclear fusion / by Edward Morse. - Cham: Springer, 2018. xxii, 512(Graduate texts in physics).
ISBN : 9783030074623. : Rs. 5403.90.

** 1. Nuclear fusion 2. Nuclear physics.I. Title II. Series

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19. Masterson, Robert E.
Introduction to nuclear reactor physics / by Robert E. Masterson. - Boca Raton: CRC Press, 2018. xxvii, 1079.
ISBN : 9781498751483. : Rs. 11862.84.

**1. Nuclear reactors 2. Nuclear physics.I. Title

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CENTRE FOR RURAL DEVELOPMENT & TECHNOLOGY

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20. Best, Shaun
Beginner's guide to social theory / by Shaun Best. - London: SAGE, 2003. 280p.
ISBN : 9780761965336. : Rs. 4826.65 (Each copy).

**1. Social science - Methodology 2. Sociology - Philosophy.I. Title

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21. Five ways of doing qualitative analysis: phenomenological psychology, grounded theory, discourse analysis, narrative research, and intuitive inquiry / by Frederick J. Wertz ..(et al.). - New York: Guilford Press, 2011.

xiv, 434.

ISBN : 9781609181420. : Rs. 4826.65 (Each Copy).

** 1. Qualitative research 2. Psychology - Qualitative research.I. Wertz, Frederick J. II.

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22. Pernecky, Tomas

Epistemology and metaphysics for qualitative research / by Thomas Pernecky. - London: Sage, 2016. ix, 236.

ISBN : 9781446282397. : Rs. 3462.30 (Each Copy).

** 1. Metaphysics 2. Qualitative research.I. Title

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23. Sahlins, Marshall

Stone age economics / by Marshall Sahlins. - London: Routledge, 2017. xxx, 345p.(Routledge classics).

ISBN : 9781138702615. : Rs. 1567.50 (Each copy).

** 1. Economic anthropology.I. Title II. Series

304.3 SAH-S

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24. Elwin, Verrier

Oxford India Elwin: selected writings / by Verrier Elwin. - New Delhi: Oxford University Press, 2009. xxii, 351.

ISBN : 9780195697919. : Rs. 950.00 (Each copy).

**1. Ethnology - India 2. Tribes - India.I. Title

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25. Giddens, Anthony

Essential concepts in sociology / by Anthony Giddens and Philip W. Sutton. - 2nd ed.. - New Delhi: Wiley India, 2017. vii, 224p.

ISBN : 9788126568321. : Rs.499.00 (Each copy).

**1. Structures of society 2. Political sociology 3. Crime - Social control.I. Sutton, Philip W. II. Title

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26. Haralambos and Holborn sociology: themes and perspectives / by Michael Haralambos..(et al.). - 8th ed.. - London: Harper Collin Publishers, 2014.

1098p.

ISBN : 9780007583195. : Rs. 1499.00(Each copy).

** 1. Sociology.I. Title

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27. Craib, Ian

Classical social theory / by Ian Craib. - Oxford: Oxford University Press, 1997. xxiv, 297p.

ISBN : 9780198781172. : Rs. 5018.31 (Each copy).

**1. Sociology - Philosophy 2. Social sciences - Philosophy.I. Title

316.2 CRA-C

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28. Puga, Ismael

Analysis of C. Wright Mills's the sociological imagination / by Ismael Puga and Robert Easthope. - London: Macat International, 2017. 97p.(Macat library).

ISBN : 9781912127092. : Rs. 679.05 (Each copy).

** 1. Sociological imagination 2. Sociology.I. Easthope, Robert II. Title III. Series

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29. Kelly, Robert L.

Lifeways of hunter-gatherers: the foraging spectrum / by Robert L. Kelly. - Cambridge: Cambridge University Press, 2013. xix, 362p.

ISBN : 9781107607613. : Rs. 2622.70 (Each copy).

**1. Hunting and gathering societies.I. Title

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30. Oxford Handbook of the archaeology and anthropology of hunter-gatherers / edited by Vicki Cummings, Peter Jordan and Marek Zvelebil. - Oxford: Oxford University Press, 2018.

xxviii, 1330p.

ISBN : 9780198831044. : Rs. 4198.00 (Each copy).

**1. Hunting and gathering societies - Handbooks, manuals, etc. 2. Excavations (Archaeology) - Handbooks, manuals, etc.I. Cummings, Vicki, Ed. II. Jordan, Peter, Ed. III. Zvelebil, Marek, Ed. IV. Title

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31. Cambridge encyclopedia of hunters and gatherers / edited by Richard B. Lee and Richard Daly. - Cambridge: Cambridge University Press, 2004.
xxiv, 511.
ISBN : 9780521609197. : Rs. 5013.51 (Each Copy).

** 1. Hunting and gathering societies - Encyclopedias.I. Lee, Richard B., Ed. II. Daly, Richard, Ed. III. Title

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32. Beck, Ulrich
Risk society: towards a new modernity / by Ulrich Beck. - London: Sage, 1992.
260p.(Theory, culture and society).
ISBN : 9780803983465. : Rs. 3873.96; Rs. 3882.10.

**1. Social structure 2. Industries - Environmental aspects.I. Title II. Series

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33. Foucault, Michel
History of sexuality / by Michel Foucault. - London: Penguin Random House, 2020. vi, 279p.(Penguin Modern Classics).
Vol. 3: Care of the self.
ISBN : 978-0241386002. : Rs.595.00 (Each copy).

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34. Escobar, Arturo
Encountering development: the making and unmaking of the third world / by Arturo Escobar. - Princeton: Princeton University Press, 2012. xlvii, 290p.
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** 1. Economic development 2. Developing countries - Economic conditions.I. Title

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35. Graeber, David
Debt: the first 5,000 years / by David Graeber. - Gurugram: Penguin Random House India, 2014. 534.
ISBN : 9780143422716. : Rs. 550.00 (Each Copy).

** 1. Debt - History 2. Financial Crises - History 3. Money - History.I. Title

336.27:94 GRA-D 175372, 175373;CRDT

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36. Furer-Haimendorf, Christoph Von
Naked Nagas / by Christoph Von Furer-Haimendorf. - New Delhi: Abhijeet, 2016. 239.
ISBN : 9789350742310. : Rs. 960.00.

**1. Nagas - Life style 2. Nagas - Culture.I. Title

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37. Guha, Ramachandra

Environmentalism: a global history / by Ramachandra Guha. - Gurgaon: Penguin Random House, 2014. xxiv, 224p.
ISBN : 9780143427674. : Rs. 399.00 (Each copy).

**1. Environment 2. Ecology 3. Green movement.I. Title

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38. Guha, Ramachandra

Unquiet woods: ecological change and peasant resistance in the Himalaya / by Ramachandra Guha. - Ranikhet: Permanent black, 2013. xxvii, 250p.
ISBN : 9788178243788. : Rs.599.00 (Each copy).

**1. Chipko movement - India - History 2. Human ecology - Forest policy 3. Environmental History.I. Title

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Thermodynamics problem solving in physical chemistry: study guide and map / by Kathleen E. Murphy. - Boca Raton: CRC Press, 2020. ix, 128.
ISBN : 9780367231163. : Rs. 3223.58.

**1. Thermodynamics - Mathematics 2. Chemistry, physical and theoretical - Mathematics.I. Title

544.3 MUR-T 175381**BU/CHY**

40. Iron-sulfur clusters in chemistry and biology / edited by Tracey Rouault. - 2nd ed. - Berlin: De Gruyter, 2017.

xxi, 470p.
V.2: Biochemistry, biosynthesis and human diseases.
ISBN : 9783110479393. : Rs. 8946.52.

**1. Human anatomy 2. Physiology 3. Life science.I. Rouault, Tracey, Ed. II. Title

577 -IRO 175256**BU/CHY**

41. Manners, Ian

Synthetic metal-containing polymers / by Ian Manners. - Weinheim: Wiley Vch, 2004. xiii, 275p.
ISBN : 9783527294633. : Rs. 23621.85.

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42. Air transport: a tourism perspective / edited by Anne Graham and Frederic Dobruszkes. - Amsterdam: Elsevier, 2019.
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ISBN : 9780128128572. : Rs. 9437.50.

**1. Aeronautics, Commercial 2. Tourism 3. Air travel.I. Graham, Anne, Ed. II. Dobruszkes, Frederic, Ed. III. Title IV. Series
338.488.1:656.7 -AIR 175358

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43. Spellman, Frank R.
Science of environmental pollution / by Frank R. Spellman. - 4th ed.. - Boca Raton: CRC Press, 2021. xxi, 441.
ISBN : 9781032016832. : Rs. 12536.40.

**1. Pollution 2. Environmental sciences.I. Title
502.175 SPE-S 175360

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44. Oil spill environmental forensics case studies / edited by Scott A. Stout and Zhendi Wang. - Oxford: Butterworth-Heinemann, 2018.
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ISBN : 9780128044346. : Rs.11250.00.

**1. Oil spills - Environmental aspects - Case studies 2. Oil spill - Pollution - Measurement 3. Environmental forensics.I. Stout, Scott A., Ed. II. Wang, Zhendi, Ed. III. Title
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45. Cox, Louis Anthony
Quantitative risk analysis of air pollution health effects / by Louis Anthony Cox. - Cham: Springer, 2021. xiv, 544p.(International series in operations research & management science, 299).
ISBN : 9783030573577. : Rs. 9735.21.

** 1. Air pollution - Risk assessment 2. Medical policy 3. Health risk assessment - Statistical method.I. Title II. Series
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46. Islam, M. Rashad
Civil engineering materials: introduction and laboratory testing / by M. Rashad Islam. - Boca Raton: CRC Press, 2020. xxi, 477.
ISBN : 9780367224820. : Rs. 9454.35.

**1. Building materials 2. Materials.I. Title
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47. Caicedo, Bernardo

Geotechnics of roads: advanced analysis and modeling / by Bernardo Caicedo. - Boca Raton: CRC Press, 2021. xxiii, 295.

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ISBN : 9781138600584. : Rs. 12536.40.

** 1. Roads - Design and construction 2. Soil mechanics 3. Road materials.I. Title

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48. Safe mobility: challenges, methodology and solutions / edited by Dominique Lord and Simon Washington. - Bingley: Emerald Publishing Limited, 2018.

xxxi, 478p.(Transport and sustainability. 11).

ISBN : 9781786352248. : Rs. 9672.82.

**1. Traffic safety 2. Transportation- Safety measures 3. Transportation - Security measures.I. Lord, Dominique, Ed. II. Washington, Simon, Ed. III. Title IV. Series

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49. Al-Khateeb, Ghazi G

Highway planning, survey, and design / by Ghazi G. Al-Khateeb. - Boca Raton: CRC Press, 2021. xiii, 520p.(Solved practical problems in transportation engineering, 2).

ISBN : 9780367149864. : Rs. 10506.00.

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50. Sustainable food waste-to-energy systems / edited by Thomas A. Trabold and Callie W. Babbitt. - London: Academic press, 2018.

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** 1. Food industry and trade - Waste disposal 2. Sustainable agriculture 3. Food waste - Energy systems.I. Trabold, Thomas A., Ed. II. Babbitt, Callie W., Ed. III. Title

628.4.032:620.93 -SUS

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**1. Plastic waste - Environmental aspects 2. Plastic waste - Recycling.I. Letcher, Trevor M., Ed. II. Title

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52. Schiffner, Kenneth C.

Air pollution control equipment selection guide / by Kenneth C. Schiffner. - 3rd ed.. - Boca Raton: CRC Press, 2021. xvii, 381p.
ISBN : 9780367860912. : Rs. 12014.05.

** 1. Pollution control equipment 2. Air pollution - Equipment.I. Title

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BU/CE

53. Davis, Wayne T.

Air quality / by Wayne T. Davis, Joshua S. Fu and Thad Godish. - 6th ed.. - Boca Raton: CRC Press, 2021. xxii, 401.
ISBN : 9780367860929. : Rs. 10445.96.

**1. Air pollution 2. Air quality management.I. Fu, Joshua S. II. Godish, Thad III. Title

628.52 DAV-A 175363

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54. Schramm, Dieter

Vehicle dynamics: modeling and simulation / by Dieter Schramm, Manfred Hiller and Roberto Bardini. - 2nd ed.. - Berlin: Springer, 2018. xxi, 440p.
ISBN : 9783662544822. : Rs. 10121.42.

**1. Mathematics 2. Kinematics.I. Hiller, Manfred II. Bardini, Roberto III. Title

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55. Chatterjee, Amalendu

Autonomous and integrated parking and transportation services / by Amalendu Chatterjee. - Boca Raton: CRC Press, 2020. xiv, 261.
ISBN : 9780367180812. : Rs. 7834.21.

** 1. Automobile parking 2. Transportation, Automotive 3. Automated vehicles.I. Title

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56. Statistical and econometric methods for transportation data analysis / by Simon Washington

..(et. al). - 3rd ed.. - Boca Raton: CRC Press, 2020.
xviii, 477(Chapman and Hall/CRC interdisciplinary statistics series).
ISBN : 9780367199029. : Rs. 9454.35.

** 1. Transportation - Econometric models 2. Transportation - Statistical methods.I. Washington, Simon II. Title III. Series

656:519.2 -STA 175357

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Quantitative methods in transportation / by Dusan Teodorovic and Milos Nikolic. - Boca Raton: CRC Press, 2021. xvii, 462p.

ISBN : 9780367250539. : Rs. 4726.65.

** 1. Transportation engineering - Mathematical models 2. Transportation - Statistical methods.I. Nikolic, Milos II. Title

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Faster, smarter, greener: the future of the car and urban mobility / by Venkat Sumantran, Charles Fine and David Gonsalvez. - Cambridge: Massachusetts Institute of Technology Press, 2017. xxiii, 326.

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**1. Transportation - Automobiles 2. Automobiles - Technological innovations 3. Urban transportation.I. Fine , Charles II. Gonsalvez, David III. Title

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59. Handbook of road safety measures / by Rune Elvik..(et al.). - 2nd ed.. - Bingley: Emerald Group Publishing, 2009.

xi, 1124p.

ISBN : 9781848552500. : Rs. 16018.04.

**1. Traffic safety - Handbooks, manuals, etc. 2. Roads safety measures- Handbooks, manuals, etc. 3. Roads design and construction- Handbooks manuals, etc.I. Elvik, Rune II. Title

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60. Routledge handbook of public transport / edited by Corinne Mulley, John D. Nelson and Stephen Ison. - Amsterdam: Routledge, 2021.

xxiv, 606(Routledge international handbooks).

ISBN : 9780367418724. : Rs. 19961.40.

**1. Transportation - Environmental aspects - Handbooks, manuals, etc. 2. Transportation - Planning - Handbooks, manuals, etc.I. Mulley, Corinne, Ed. II. Nelson, John D., Ed. III. Ison, Stephen, Ed. IV. Title V. Series

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61. Air transport management: an international perspective / edited by Lucy Budd and Stephen Ison. - 2nd ed.. - Abingdon: Routledge, 2020.

xxx, 384.

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**1. Air Transport - Management 2. Airlines - Management.I. Budd, Lucy, Ed. II. Ison, Stephen, Ed. III. Title

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**1. Project management 2. Construction projects - Management.I. Johnsen, Agnar II. Title

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63. Holm, Len

Construction cost estimating / by Len Holm and John E. Schaufelberger. - New York: Routledge, 2021. xxviii, 326.

ISBN : 9780367902681. : Rs. 6968.30.

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Beyond mobility: planning cities for people and places / by Robert Cervero, Erick Guerra and Stefan Al. - Washington: Island Press, 2017. xiii, 278.

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**1. Urban planning.I. Guerra, Erick II. Al, Stefan III. Title

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65. Mohanty, Subhendra

Astroparticle physics and cosmology: perspectives in the multimessenger era / by Subhendra Mohanty. - Cham: Springer, 2020. xix, 287p.(Lecture notes in physics, 975).

ISBN : 9783030562007. : Rs. 4937.55.

** 1. Astrophysics 2. Cosmology 3. Nuclear physics 4. Quantum field theory 5. Gravitation.I. Title II. Series

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66. Handbook of astrobiology / edited by Vera M. Kolb. - Boca Raton: CRC Press, 2021.

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