

Department of chemistry
Study material (Current year)

| S.No | Class | Name of the paper | Study Materials/Resources |
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| 1. | I B.SC Chemistry Semester-I | Inorganic chemistry-I | https://www.pdfFiller.com/358224412-inorganic-chemistry-by-rd-madan-1st-chapterpdf https://users.physics.ox.ac.uk/~smithb/website/coursenotes/qi/QILectureNotes2.pdf www.eolss.net/sample-chapters/c06/e6-11-03-01.pdf .https://www.pinterest.com/pin/319474167301231128/ |
| | | Physical Chemistry-I | https://slideblast.com/download/principles-of-physical-chemistry-by-puri-sharma https://chemistry.com.pk/books/atkins-physical-chemistry/ www.helsinki.fi/kemia/fysikaalinen/opetus/teddy/tiedot/pohja3.pdf https://www.alibris.com/Physical-Chemistry-Gordon-M-Barrow/book/5115153 https://pdfkul.com/.../download-sourcebook-on-atomic-energy-pdf-best-_59d298d91.. www.ebook777.com/solid-state-chemistry-introduction-fourth-edition/ |
| | Semester-II | Inorganic Chemistry-II | https://alponmiphe.files.wordpress.com/.../bahl-and-bahl-organic-chemistry-book-pdf.. https://www.pdfFiller.com/358224412-inorganic-chemistry-by-rd-madan-1st-chapterp https://archive.org/details/ConciseInorganicChemistry4thEditionByJ.D.Lee https://chemistry.com.pk/books/shriver-atkins-inorganic-chemistry-5e/ |
| | | Organic chemistry-I | https://alponmiphe.files.wordpress.com/.../bahl-and-bahl-organic-chemistry-book-pdf.. trardownload.biz/results/bs-bahl-and-arun-bahl... www.pdfdocuments2.com/a/79/advanced-organic-chemistry.. https://lozanypuv.files.wordpress.com/2015/06/organic-chemistry-finar-vol-2-pdf |
| 2. | IIBSC | Organic | trardownload.biz/results/bs-bahl-and-arun-bahl... |

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| | Semester-III | Chemistry-II | www.pdfdocuments2.com/a/79/advanced-organic-chemistry |
| | | Agro Chemistry | www.dcr.virginia.gov/soilandwater/document/nmtmscbss.pdf www.niordc.ir/uploads%5C86_106_Binder1.pdf https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprd1244466.pdf museumpests.net/.../Identifying-the-Pesticides-Pesticide-Names-Classification-and-Hist. health.usf.edu/nocms/medicine/internalmedicine/emergencymed/pesticides.pdf |
| | Semester-IV | Physical Chemistry-II | thebookee.net/pu/puri-sharma-advanced-physical.. https://www.sfu.ca/~mbahrami/.../Notes/Intro%20and%20Basic%20Concepts.pdf https://archive.org/details/thermodynamicsfo031702mbp https://www.bookyards.com/en/book/details/13774/Thermodynamics-For-Chemistry www.beberexha.co/rajaram-kuriakose-thermodynamics.pdf www.mechanicallibrary.com/.../basic-and-applied-thermodynamics-by-p.k.nag-free-document. |
| | | Medicinal Chemistry | https://academic.oup.com/labmed/articlepdf/22/5/342/8326367/labmed22-0342.pdf https://kuiyem.ku.edu.tr/.../American-College-of-Emergency-Physicians-ACEP-First-Aid... https://extension.colostate.edu/docs/pubs/foodnut/09312.pdf readanddigest.com/different-types-of-vitamins-and-their-functions/ |
| 3. | | Allied Chemistry-I | http://www.scribd.com/document/fundamental_of_photo_chemistry https://slideblast.com/download/principles-of-physical-chemistry-by-puri-sharma. https://alponmiphe.files.wordpress.com/.../bahl-and-bahl-organic-chemistry-book-pdf.. |
| | | Allied Chemistry-II | https://alponmiphe.files.wordpress.com/.../bahl-and-bahl-organic-chemistry-book-pdf.. https://www.chemie.uni-hamburg.de/ac/rehder/Lund_Bioinorg_Chem_08.pdf https://archive.org/details/ost-chemistry-bioinch https://archive.org/details/ConciseInorganicChemistry4thEditionByJ.D.Lee |
| 4. | III B.Sc | Organic | https://en.wikipedia.org/wiki/Naphthalene |

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| Semester V | Chemistry-III | www.chem.gla.ac.uk/staff/stephenc/teaching/HeterocycleLectures2011_2C12.pdf www.chtf.stuba.sk/~szolcsanyi/education/.../Pyridínvlastnosti%20a%20reaktivita.pdf https://www.scribd.com/document/182249725/HETEROCYCLIC-COMPOUNDS-pdf www.kau.edu.sa/Files/0003372/Subjects/heterocyclic%20compounds.ppt www.cabrillo.edu/~aromero/CHEM_1B/1B_Handouts/Isomers%20Handout.pdf www.iitg.ac.in/ckjana/ckjana/Teaching.../Organic%20Chemistry-%20Lesson%202.pdf www.idconline.com/technical_references/pdfs/.../Stereo_isomerism_and_its_types.pdf rushim.ru/books/mechanizms/march6ed.pdf https://www.amazon.com/Marchs-Advanced-Organic-Chemistry-Mechanisms |
| | Physical Chemistry-III | https://archive.org/details/introductiontoel031801mbp www.chembio.uoguelph.ca/educmat/chem7234/Lecture12.pdf www.freebookcentre.net > Chemistry Books > Electro Chemistry Books www.engr.uconn.edu/~jmfent/CHEG320_electrochemistry%20lectures.pdf https://users.cs.duke.edu/~reif/.../Kinetics/KineticsOverview/KineticsOverview.pdf https://www.iitk.ac.in/tkic/.../L3TEQIP%20Phase_Diagrams-%20Oct%202015.pdf www.public.iastate.edu/~bastaw/Courses/MatE271/Week7.pdf |
| | Polymer Chemistry | https://www.scribd.com/doc/.../Principles-of-Polymer-Chemistry-by-Paul-J-Flory https://www.ifm.liu.se/courses/tfya37/Biopolymers%20Lecture.pdf https://gupea.ub.gu.se/bitstream/2077/21217/1/gupea_2077_21217_1.pdf https://www.researchgate.net/...polymers.../Increasing-biocompatibility-of-synthetic-polymer.. https://gupea.ub.gu.se/bitstream/2077/21217/1/gupea_2077_21217_1.pdf |
| | Analytical Chemistry | www.colby.edu/chemistry/PChem/notes/ErrAnaly.pdf www2.sci.uszeged.hu/.../Physical%20analysis%202010%20-%20Thermoanalytical%... https://www.farmacja.umed.wroc.pl/sites/default/files/struktura/farmacja/.../4_TG.pdf www.enfp.umd.edu/sites/default/files/documents/LMD-TGA- |

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| Semester-IV | Physical Chemistry-IV | | www.gcg42.ac.in/download/B.Sc-III%20Chemistry/photochemistry.ppt www.powershow.com/view4/.../Law_of_Photochemistry_powerpoint_ppt_presentation.. www.idcni.com/technical_references/pdfs/chemical.../Jablonski_diagram.pdf https://www.drdo.gov.in/drdo/data/Laser%20and%20its%20Applications.pdf https://archive.org/details/IntroductionToMolecularSpectra https://www.scribd.com/.../The-Fundamental-of-Molecular-Spectroscopy-Cn-Banwell https://www.researchgate.net/.../224831013_Introduction_to_Infrared_Spectroscopy https://en.wikipedia.org/wiki/Ultravioletvisible_spectroscopy https://www.ru.ac.za/media/rhodesuniversity/.../Raman%20Naji%20Presentation.pdf www.usp.br/massa/2014/qf12144/pdf/MassSpectrometry.pdf http://www.redlanternedmonds.com/.../inductively_coupled_plasma_mass_spectrometer.. https://is.muni.cz/el/1431/podzim2014/.../gross_mass_spectrometry_second-edition.pdf https://archive.org/details/TheTheoryOfGroups_564 www.jmilne.org/math/CourseNotes/GT.pdf www.niu.edu/rwinkler/teaching/group-11/g-lecture.pdf https://www.chemiebiologie.unisiegen.de/ac/be/lehre/.../molecular_symmetry.pdf https://instruct.uwo.ca/.../Group%20Theory%20-%20Part%202%20Symmetry%20Op. www.ggu.ac.in/download/ClassNote13/Intriduction%20to%20Nanosc.24.10.13.pdf www.fi.tartu.ee/~rynno/raamat/Introduction%20in%20nanomaterials-sisu.pdf https://www.ttu.ee/public/m/Mehaanikateaduskond/.../Lecture12_Synthesis2.pdf shodhganga.inflibnet.ac.in/bitstream/10603/23334/10/10_chapter%203.pdf nptel.ac.in/courses/103103033/module9/lecture2.pdf https://www.slideshare.net/Krishanyadav28/synthesis-of-nanomaterials https://ir.uiowa.edu/cgi/viewcontent.cgi?article=4629&context=etd physics.puchd.ac.in/.../Nanomaterials.../Nanomaterials-2b-- |

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| | | Organic Chemistry-IV | https://en.wikipedia.org/wiki/Rearrangement_reaction https://www.slideshare.net/OMPRAKASH1973/molecular-rearrangements-of-ppt https://www.scribd.com/document/.../Important-Reagents-for-Organic-Chemistry-pdf https://archive.org/details/NameReactionsandReagentsInOrganicSynthesis https://www.eolss.net/Sample-Chapters/C06/E6-151-04.pdf https://www.chemie.unihamburg.de/bibliothek/2005/DissertationTesso.Pdf https://en.wikipedia.org/wiki/Alkaloids openair.dokku.shaief.com/organic_spectroscopy_william_kemp_pdf_free_download... rushim.ru/books/mechanisms/march6ed.pdf https://archive.org/details/march6ed |
| | | Applied Chemistry | www.nios.ac.in/media/documents/313courseE/L18.pdf ww3.mkcl.org/mom/images/OER_PDFs/Chemistry/Metallurgy.pdf https://en.wikipedia.org/wiki/Leather_production_processes www.all-about-leather.co.uk/what-is-leather/how-is-leather-made.html shodhganga.inflibnet.ac.in/bitstream/10603/75047/14/14_chapt |

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| 5. | I M.Sc Semester-I | Organic Chemistry-I | <p>rushim.ru/books/mechanizms/march6ed.pdf integracion.pagamastarde.com/reaction_mechanism_in_organic_chemistry_bymukharjee-and Singh francohearst.ca/.../reaction-mechanisms-in-organic-chemistry-by-mukharjee-and-sing.. www.mdpi.org/molecules/papers/51201528.pdf https://archive.org/details/OrganicChemistryVol1 https://archive.org/details/OrganicChemistryVol2 https://www.pdfdrive.net/name-reactions-and-reagents-in-organic-synthesis-e7088853 www.ebook777.com/molecular-rearrangements-organic-synthesis www.chem.uoi.gr/cerp/2002_February/pdf/05Moulay.pdf https://nysbundrealcingle.files.wordpress.com/.../reactions-rearrangements-and-reagent https://www.google.co.uk/mymaps/viewer?mid=1B0958d5-IGQs...hl=en_US https://sites.google.com/site/few4gr34/45h54g/Stereochemistry-of-Organic-.pdf https://pdf-downloads.net/p-s-kalsi-organic-reaction-mechanism-pdf-pdf.html pdfgator.com/stereochemistry-conformation-and-mechanism-p-s-kalsi.pdf.html openair.dokku.shaief.com/organic_chemistry_of_natural_products_gurdeep_chatwal..</p> |
| | | Inorganic Chemistry-I | <p>www.che.ncku.edu.tw/FacultyWeb/TengH/.../Crystal%20structure_ch1-1-porous.pdf https://archive.org/details/in.ernet.dli.2015.218469</p> |

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| | Semester-II | Organic Chemistry-II | https://www.kopykitab.com/Elementary-Organic-Spectroscopy-by-Y-R-Sharma https://lozanypuv.files.wordpress.com/2015/06/organic-chemistry-finar-vol-2-pdf https://www.amazon.com/Marchs-Advanced-Organic-Chemistry-Mechanisms openair.dokku.shaief.com/organic_spectroscopy_william_kemp_pdf_free_download... rushim.ru/books/mechanizms/march6ed.pdf https://en.wikipedia.org/wiki/Alkaloids |
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| 6. | II M.Sc Semester-III | Organic Chemistry-III | https://www.kopykitab.com/Elementary-Organic-Spectroscopy-by-Y-R-Sharma https://lozanypuv.files.wordpress.com/2015/06/organic-chemistry-finar-vol-2-pdf . https://www.amazon.com/Marchs-Advanced-Organic-Chemistry-Mechanisms https://www.scribd.com/doc/.../Stereochemistry-Basic-Concepts-useful-notes-for-stude.. www.springer.com/cda/content/document/cda.../9783642196232-c1.pdf?SGWID.. www.chem.gla.ac.uk/staff/stephenc/teaching/HeterocycleLectures2011_2C12.pdf www.idconline.com/.../pdfs/.../Preparation_and_Reactions_of_Heterocyclic_Compounds . www.ehu.eus/GSA/ficherospdf/Chapter2.pdf https://www.goodreads.com/author/show/4655063.Jagdamba_Singh https://www.goodreads.com/author/show/4655063.Jagdamba_Singh |
| | | Inorganic Chemistry-III | r.takjoo.profcms.um.ac.ir/imagesm/.../drago_physicalmethodsforchemists%202e.pdf pubs.acs.org/doi/abs/10.1021/ed069pA224.1?src=recsys https://www.chemie.uni-hamburg.de/ac/rehder/Lund_BioinorgChem_08.pdf |

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| | | Research Methodology | <p>https://writingcenter.unc.edu/tips-and-tools/thesis-statements</p> <p>https://www.researchgate.net/.../Silverstein++Spectrometric+Identification+of+Organic.</p> <p>mailerq03.leadperformance.dk/answer-silverstein-spectrometric-identification-of-orga...</p> <p>http://www.dst.gov.in/what_news/whats_news07/tsd-format.pdf</p> <p>www.ugc.ac.in/pdfnews/7716504_12th_planguidelines.pdf</p> <p>004112spr2010pdf">http://chem.uiowa.edu>004112spr2010pdf.</p> |
| | Semester-IV | Organic Chemistry-IV | <p>https://www.amazon.com/Marchs-Advanced-Organic-Chemistry-Mechanisms</p> <p>https://en.wikipedia.org/wiki/Organic_reaction</p> <p>https://archive.org/details/OrganicChemistryVol2</p> <p>https://books.google.co.in/.../Organic_Chemistry_Volume_2_Stereochemist.html</p> <p>https://lozanypuv.files.wordpress.com/2015/06/organic-chemistry-finar-vol-2-pdf.</p> <p>https://www.pdfdrive.net/name-reactions-and-reagents-in-organic-synthesis-e7088853</p> <p>https://www.amazon.com/Name-Reactions-Reagents-Organic-Synthesis/.../047122854..</p> <p>https://www.utdallas.edu/~scortes/ochem/OChem1_Lecture/.../09_stereo_notes.pdf</p> <p>https://www.scribd.com/doc/.../Stereochemistry-Basic-Concepts-useful-notes-for-student</p> |
| | | Inorganic Chemistry – IV | <p>https://www.pinterest.com/pin/319474167301231128/</p> <p>https://www.chemie.uni-hamburg.de/ac/rehder/Lund_BioinorgChem_08.pdf</p> <p>https://archive.org/details/ost-chemistry-bioinchr.takjoo.profcms.um.ac.ir/imagesm/.../drago_physicalmethodsforchemists%20e.pdf</p> |

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