

**Department of chemistry**  
**Study material (Current year)**

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

	Semester-III	Chemistry-II	<a href="http://www.pdfdocuments2.com/a/79/advanced-organic-chemistry">www.pdfdocuments2.com/a/79/advanced-organic-chemistry</a>
		Agro Chemistry	<a href="http://www.dcr.virginia.gov/soilandwater/document/nmtmscbss.pdf">www.dcr.virginia.gov/soilandwater/document/nmtmscbss.pdf</a> <a href="http://www.niordc.ir/uploads%5C86_106_Binder1.pdf">www.niordc.ir/uploads%5C86_106_Binder1.pdf</a> <a href="https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprd1244466.pdf">https://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprd1244466.pdf</a> <a href="http://museumpests.net/.../Identifying-the-Pesticides-Pesticide-Names-Classification-and-Hist">museumpests.net/.../Identifying-the-Pesticides-Pesticide-Names-Classification-and-Hist</a> <a href="http://health.usf.edu/nocms/medicine/internalmedicine/emergencymed/pesticides.pdf">health.usf.edu/nocms/medicine/internalmedicine/emergencymed/pesticides.pdf</a>
	Semester-IV	Physical Chemistry-II	<a href="http://thebookee.net/pu/puri-sharma-advanced-physical..">thebookee.net/pu/puri-sharma-advanced-physical..</a> <a href="https://www.sfu.ca/~mbahrami/.../Notes/Intro%20and%20Basic%20Concepts.pdf">https://www.sfu.ca/~mbahrami/.../Notes/Intro%20and%20Basic%20Concepts.pdf</a> <a href="https://archive.org/details/thermodynamicsfo031702mbp">https://archive.org/details/thermodynamicsfo031702mbp</a> <a href="https://www.bookyards.com/en/book/details/13774/Thermodynamics-For-Chemist">https://www.bookyards.com/en/book/details/13774/Thermodynamics-For-Chemist</a> <a href="http://www.beberexha.co/rajaram-kuriakose-thermodynamics.pdf">www.beberexha.co/rajaram-kuriakose-thermodynamics.pdf</a> <a href="http://www.mechanicallibrary.com/.../basic-and-applied-thermodynamics-by-p.k.nag-free-document">www.mechanicallibrary.com/.../basic-and-applied-thermodynamics-by-p.k.nag-free-document</a>
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4.	III B.Sc	Organic	<a href="https://en.wikipedia.org/wiki/Naphthalene">https://en.wikipedia.org/wiki/Naphthalene</a>

	Semester V	Chemistry-III	<a href="http://www.chem.gla.ac.uk/staff/stephenc/teaching/HeterocycleLectures2011_2C12.pdf">www.chem.gla.ac.uk/staff/stephenc/teaching/HeterocycleLectures2011_2C12.pdf</a> <a href="http://www.chtf.stuba.sk/~szolcsanyi/education/.../Pyridínvlastnosti%20a%20reaktivita.pdf">www.chtf.stuba.sk/~szolcsanyi/education/.../Pyridínvlastnosti%20a%20reaktivita.pdf</a> <a href="https://www.scribd.com/document/182249725/HETEROCYCLIC-COMPOUNDS-pdf">https://www.scribd.com/document/182249725/HETEROCYCLIC-COMPOUNDS-pdf</a> <a href="http://www.kau.edu.sa/Files/0003372/Subjects/heterocyclic%20compounds.ppt">www.kau.edu.sa/Files/0003372/Subjects/heterocyclic%20compounds.ppt</a> <a href="http://www.cabrillo.edu/~aromero/CHEM_1B/1B_Handouts/Isomers%20Handout.pdf">www.cabrillo.edu/~aromero/CHEM_1B/1B_Handouts/Isomers%20Handout.pdf</a> <a href="http://www.iitg.ac.in/ckjana/ckjana/Teaching.../Organic%20Chemistry-%20Lesson%202.pdf">www.iitg.ac.in/ckjana/ckjana/Teaching.../Organic%20Chemistry-%20Lesson%202.pdf</a> <a href="http://www.idconline.com/technical_references/pdfs/.../Stereo_isomerism_and_its_types.pdf">www.idconline.com/technical_references/pdfs/.../Stereo_isomerism_and_its_types.pdf</a> <a href="http://rushim.ru/books/mechanizms/march6ed.pdf">rushim.ru/books/mechanizms/march6ed.pdf</a> <a href="https://www.amazon.com/Marchs-Advanced-Organic-Chemistry-Mechanisms">https://www.amazon.com/Marchs-Advanced-Organic-Chemistry-Mechanisms</a>
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	Semester-IV	Physical Chemistry-IV	<p><a href="http://www.gcg42.ac.in/download/B.Sc-III%20Chemistry/photochemistry.ppt">www.gcg42.ac.in/download/B.Sc-III%20Chemistry/photochemistry.ppt</a></p> <p><a href="http://www.powershow.com/view4/.../Law_of_Photochemistry_powerpoint_ppt_presentation..">www.powershow.com/view4/.../Law_of_Photochemistry_powerpoint_ppt_presentation..</a></p> <p><a href="http://www.idc-online.com/technical_references/pdfs/chemical.../Jablonski_diagram.pdf">www.idc-online.com/technical_references/pdfs/chemical.../Jablonski_diagram.pdf</a></p> <p><a href="https://www.drdo.gov.in/drdo/data/Laser%20and%20its%20Applications.pdf">https://www.drdo.gov.in/drdo/data/Laser%20and%20its%20Applications.pdf</a></p> <p><a href="https://archive.org/details/IntroductionToMolecularSpectra">https://archive.org/details/IntroductionToMolecularSpectra</a></p> <p><a href="https://www.scribd.com/.../The-Fundamental-of-Molecular-Spectroscopy-Cn-Banwell">https://www.scribd.com/.../The-Fundamental-of-Molecular-Spectroscopy-Cn-Banwell</a></p> <p><a href="https://www.researchgate.net/.../224831013_Introduction_to_Infrared_Spectroscopy">https://www.researchgate.net/.../224831013_Introduction_to_Infrared_Spectroscopy</a></p> <p><a href="https://en.wikipedia.org/wiki/Ultravioletvisible_spectroscopy">https://en.wikipedia.org/wiki/Ultravioletvisible_spectroscopy</a></p> <p><a href="https://www.ru.ac.za/media/rhodesuniversity/.../Raman%20Nwaji%20Presentation.pdf">https://www.ru.ac.za/media/rhodesuniversity/.../Raman%20Nwaji%20Presentation.pdf</a></p> <p><a href="http://www.usp.br/massa/2014/qfl2144/pdf/MassSpectrometry.pdf">www.usp.br/massa/2014/qfl2144/pdf/MassSpectrometry.pdf</a></p> <p><a href="http://www.redlanternedmonds.com/.../inductively_coupled_plasma_mass_spectrometer..">http://www.redlanternedmonds.com/.../inductively_coupled_plasma_mass_spectrometer..</a></p> <p><a href="https://is.muni.cz/el/1431/podzim2014/.../gross_mass-spectrometry_second-edition.pdf">https://is.muni.cz/el/1431/podzim2014/.../gross_mass-spectrometry_second-edition.pdf</a></p> <p><a href="https://archive.org/details/TheTheoryOfGroups_564">https://archive.org/details/TheTheoryOfGroups_564</a></p> <p><a href="http://www.jmilne.org/math/CourseNotes/GT.pdf">www.jmilne.org/math/CourseNotes/GT.pdf</a></p> <p><a href="http://www.niu.edu/rwinkler/teaching/group-11/g-lecture.pdf">www.niu.edu/rwinkler/teaching/group-11/g-lecture.pdf</a></p> <p><a href="https://www.chemiebiologie.unisiegen.de/ac/be/lehre/.../molecular_symmetry.pdf">https://www.chemiebiologie.unisiegen.de/ac/be/lehre/.../molecular_symmetry.pdf</a></p> <p><a href="https://instruct.uwo.ca/.../Group%20Theory%20-%20Part%202%20Symmetry%20Op.">https://instruct.uwo.ca/.../Group%20Theory%20-%20Part%202%20Symmetry%20Op.</a></p> <p><a href="http://www.ggu.ac.in/download/ClassNote13/Intriduction%20to%20Nanosc.24.10.13.pdf">www.ggu.ac.in/download/ClassNote13/Intriduction%20to%20Nanosc.24.10.13.pdf</a></p> <p><a href="http://www.fi.tartu.ee/~rynno/raamat/Introduction%20in%20nanomaterials-sisu.pdf">www.fi.tartu.ee/~rynno/raamat/Introduction%20in%20nanomaterials-sisu.pdf</a></p> <p><a href="https://www.ttu.ee/public/m/Mehaanikateaduskond/.../Lecture12_Synthesis2.pdf">https://www.ttu.ee/public/m/Mehaanikateaduskond/.../Lecture12_Synthesis2.pdf</a></p> <p><a href="http://shodhganga.inflibnet.ac.in/bitstream/10603/23334/10/10_chapter%203.pdf">shodhganga.inflibnet.ac.in/bitstream/10603/23334/10/10_chapter%203.pdf</a></p> <p><a href="http://nptel.ac.in/courses/103103033/module9/lecture2.pdf">nptel.ac.in/courses/103103033/module9/lecture2.pdf</a></p> <p><a href="https://www.slideshare.net/Krishanyadav28/synthesis-of-nanomaterials">https://www.slideshare.net/Krishanyadav28/synthesis-of-nanomaterials</a></p> <p><a href="https://ir.uiowa.edu/cgi/viewcontent.cgi?article=4629&amp;context=etd">https://ir.uiowa.edu/cgi/viewcontent.cgi?article=4629&amp;context=etd</a></p> <p><a href="http://physics.puchd.ac.in/.../Nanomaterials.../Nanomaterials-2b--">physics.puchd.ac.in/.../Nanomaterials.../Nanomaterials-2b--</a></p>

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		Inorganic Chemistry-III	<a href="https://www.britannica.com/science/noble-gas">https://www.britannica.com/science/noble-gas</a> <a href="http://www.chem.uw.edu.pl/people/WGrochala/NG_chemistry.pdf">www.chem.uw.edu.pl/people/WGrochala/NG_chemistry.pdf</a> <a href="http://web.uvic.ca/~asirk/222pblock_2.pdf">web.uvic.ca/~asirk/222pblock_2.pdf</a> <a href="http://www.mpilkington.com/Lecture_33.pdf">www.mpilkington.com/Lecture_33.pdf</a> <a href="http://www.oxfordscholarship.com/view/10.1093/.../acprof9780199235353-chapter-19">www.oxfordscholarship.com/view/10.1093/.../acprof9780199235353-chapter-19</a> <a href="https://sites.smu.edu/dedman/catco/publications/pdf/JACS_112_4240_1990.pdf">https://sites.smu.edu/dedman/catco/publications/pdf/JACS_112_4240_1990.pdf</a> <a href="https://www.chemie.uni-hamburg.de/ac/rehder/Lund_Bioinorg_Chem_08.pdf">https://www.chemie.uni-hamburg.de/ac/rehder/Lund_Bioinorg_Chem_08.pdf</a> <a href="https://archive.org/details/ost-chemistry-bioinch">https://archive.org/details/ost-chemistry-bioinch</a> <a href="https://archive.org/details/ConciseInorganicChemistry4thEditionByJ.D.Lee">https://archive.org/details/ConciseInorganicChemistry4thEditionByJ.D.Lee</a> <a href="https://www.pinterest.com/pin/319474167301231128/">https://www.pinterest.com/pin/319474167301231128/</a> <a href="https://sites.google.com/site/milkwhite54633/home/Inorganic-Chemistry-.pdf">https://sites.google.com/site/milkwhite54633/home/Inorganic-Chemistry-.pdf</a> <a href="http://www.chem.iitb.ac.in/~rmv/ch102/cft.pdf">www.chem.iitb.ac.in/~rmv/ch102/cft.pdf</a> <a href="http://home.iitk.ac.in/~madhavr/CHM102/Lec3.pdf">home.iitk.ac.in/~madhavr/CHM102/Lec3.pdf</a> <a href="http://wwwchem.uwimona.edu.jm/courses/CFSE.html">wwwchem.uwimona.edu.jm/courses/CFSE.html</a> <a href="http://summit.sfu.ca/system/files/iritems1/3709/b14240233.pdf">summit.sfu.ca/system/files/iritems1/3709/b14240233.pdf</a>
		Organic Chemistry-IV	<a href="https://en.wikipedia.org/wiki/Rearrangement_reaction">https://en.wikipedia.org/wiki/Rearrangement_reaction</a> <a href="https://www.slideshare.net/OMPRAKASH1973/molecular-rearrangements-of-ppt">https://www.slideshare.net/OMPRAKASH1973/molecular-rearrangements-of-ppt</a> <a href="https://www.scribd.com/document/.../Important-Reagents-for-Organic-Chemistry-pdf">https://www.scribd.com/document/.../Important-Reagents-for-Organic-Chemistry-pdf</a> <a href="https://archive.org/details/NameReactionsandReagentsInOrganicSynthesis">https://archive.org/details/NameReactionsandReagentsInOrganicSynthesis</a> <a href="https://www.eolss.net/Sample-Chapters/C06/E6-151-04.pdf">https://www.eolss.net/Sample-Chapters/C06/E6-151-04.pdf</a> <a href="https://www.chemie.uni-hamburg.de/bibliothek/2005/DissertationTesso.Pdf">https://www.chemie.uni-hamburg.de/bibliothek/2005/DissertationTesso.Pdf</a> <a href="https://en.wikipedia.org/wiki/Alkaloids">https://en.wikipedia.org/wiki/Alkaloids</a> <a href="http://openair.dokku.shaief.com/organic_spectroscopy_william_kemp_pdf_free_download...">openair.dokku.shaief.com/organic_spectroscopy_william_kemp_pdf_free_download...</a> <a href="http://rushim.ru/books/mechanisms/march6ed.pdf">rushim.ru/books/mechanisms/march6ed.pdf</a> <a href="https://archive.org/details/march6ed">https://archive.org/details/march6ed</a>
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