

GOVERNMENT ARTS AND SCENCE COLLEGE, SIVAKASI - 626 124
Department of Chemistry
B.Sc., CHEMISTRY

Sl. No	Name of the Paper	Web Resources
FIRST SEMESTER		
1	General Chemistry I	https://onlinecourses.nptel.ac.in http://www.mikeblaber.org/oldwine/chm1045/notes_m.htm http://www.ias.ac.in/initiat/sci_ed/resources/chemistry/Inorganic.html https://swayam.gov.in/course/64-atomic-structure-and-chemical-bonding
2	Introduction to Chemistry Laboratory Techniques	Web resources from NDL Library, E-content from open-source libraries
3	Sugar & Paper Industries	https://guides.loc.gov/sugar-cane-industry/internet https://www.geeksforgeeks.org/sugarcane-and-sugar-industry-in-india/
4	Food Chemistry	https://ipa-pasca.unpak.ac.id/pdf/Food%20Chemistry%20by%20Fennema%203rd%20Ed.pdf
SECOND SEMESTER		
5	Organic Chemistry – I	https://www.khanacademy.org/science/organic-chemistry
6	General Chemistry II	https://onlinecourses.nptel.ac.in http://cactus.dixie.edu/sblack/chem1010/lecture_notes/4B.html http://www.auburn.edu/~deruija/pdareson.pdf https://swayam.gov.in/course/64-atomic-structure-and-chemical-bonding http://nptel.ac.in/courses/104101090/Lecture 1: Classification of elements and periodic properties http://nptel.ac.in/courses/1041010
7	Perfumes & Cosmetics	https://www.alphaaromatics.com/blog/aromatic-sources-fragrant-compounds-in-perfumery/ https://vinumvine.files.wordpress.com/2010/01/10010011.pdf
8	Leather & Textile Chemistry	https://www.internetchemistry.com/chemistry/textile-chemistry.php#general https://www.diva-portal.org/smash/get/diva2:850089/FULLTEXT02.pdf
9	Diary Chemistry	https://ncert.nic.in/vocational/pdf/kedf101.pdf https://www.dairyfarmguide.com/
10	Cosmetics and Personal Care	http://www.khake.com/page75.html · Net.foxsm/list/284
THIRD SEMESTER		
11	Organic, Inorganic & Physical Chemistry I	https://nptel.ac.in/courses/104104101 Solid state chemistry https://nptel.ac.in/courses/103106071 Nuclear industries and safety https://nptel.ac.in/courses/104106119s Introduction to organic chemistry
12	ENTREPRENEURIAL SKILLS IN CHEMISTRY	https://www.vlab.co.in/broad-area-chemical-sciences

FOURTH SEMESTER		
13	Inorganic Chemistry I	www.epgpathshala.nic.in www.nptel.ac.in http://swayam.gov.in
14	General Chemistry IV	https://nptel.ac.in/courses/112102255 Thermodynamics https://nptel.ac.in/courses/104101136 Advanced transition metal chemistry
15	Instrumental Methods of Chemical Analysis	http://www.epa.gov/rpdweb00/docs/marlap/402-b-04-001b-14-final.pdf http://www.sjsu.edu/faculty/watkins/diamag.htm http://www.britannica.com/EBchecked/topic/108875/separation
16	Forensic Science	http://www.library.ucsb.edu/ist/03-spring/internet.html http://www.wonderhowto.com/topic/forensic-science
FIFTH SEMESTER		
17	Organic Chemistry – II	www.epgpathshala.nic.in www.nptel.ac.in http://swayam.gov.in Virtual Textbook of Organic Chemistry
18	Physical Chemistry-II	https://nptel.ac.in https://swayam.gov.in www.epgpathshala.nic.in
19	Inorganic, Analytical & Application of Computers in Chemistry	www.epgpathshala.nic.in www.nptel.ac.in http://swayam.gov.in
20	Industrial Chemistry	http://www.sciencecases.org/irradiation/irradiation_notes.asp http://discovery.kcpc.usyd.edu.au/9.5.5/ https://www.wipo.int/about-ip/en/ www.nptel.ac.in http://swayam.gov.in
21	Nanotechnology & Green Chemistry	· http://www.nanotechnology.com/docs/wtd015798.pdf · http://nccr.iitm.ac.in/Nanomaterials.pdf
SIXTH SEMESTER		
22	Organic Chemistry-III	www.epgpathshala.nic.in http://swayam.gov.in Virtual Textbook of Organic Chemistry https://vlab.amrita.edu/
23	Physical Chemistry-III	https://swayam.gov.in https://archive.nptel.ac.in/content/storage2/courses/112108150/pdf/PPTs/MTS_07_m.pdf Thermodynamics - NPTEL
24	Applied Chemistry	https://www.freebookcentre.net/Chemistry/Applied-Chemistry-Books.html
25	Medicinal Chemistry / Pharmacaetical Chemistry	http://www.pharmacy.umaryland.edu/faculty/amackere/courses/phar531_delete/lectures/qsar_1.pdf http://www.indianmedicinalplants.info/ https://www.wipo.int/about-ip/en/
26	Fundamentals of Spectroscopy	http://vallance.chem.ox.ac.uk/pdfs/SymmetryLectureNotes2004.pdf http://chemistry.rutgers.edu/undergrad/chem207/Symmetry Group Theory.html www.epgpathshala.nic.in www.nptel.ac.in
27	Polymer Science	https://polymerdatabase.com http://amrita.vlab.co.in/?sub=2&brch=190&sim=603&cnt=1 http://nsdl.niscair.res.in/bitstream/123456789/406/2/Molecular+weights+of+polymers.pdf