

EQUIVALENT COURSES OF F.Y./S.Y. and T.Y.B.Sc.

CHEMISTRY

<u>Class</u>	<u>Old Courses/Papers</u>	<u>Equivalent Current Courses/Paper</u>
F.Y.B.Sc.	Paper-I : Physical & Inorganic Chemistry Paper-II : Organic & Inorganic Chemistry	Paper-I:Physical & Inorganic Chemistry Paper-II : Organic & Inorganic Chemistry.
S.Y.B.Sc.	Paper-III: Physical & Analytical Chemistry Paper-IV : Organic & Inorganic Chemistry	Paper-III: Physical & Analytical Chemistry. Paper-IV : Organic & Inorganic Chemistry.
T.Y.B.Sc.	Paper-V : Physical Chemistry Paper-VI : Inorganic Chemistry Paper-VII: Organic Chemistry Paper-VIII: Analytical Chemistry Paper-IX : Industrial Chemistry Paper-X : (Optional) Paper-XA : Petrochemical & Polymer Chemistry Paper-XB : Nuclear & Environmental Chemistry Paper-XC : Fundamentals of Biochemistry and Molecular Biology and Drugs and Pharmaceuticals. Paper-XD : Introduction to Biochemistry and Molecular Biology. Paper XE : Agriculture and Dairy Chemistry	Paper-V : Physical Chemistry. Paper-VI : Inorganic Chemistry. Paper-VII: Organic Chemistry.. Paper-VIII: Analytical Chemistry. Paper-IX : Industrial Chemistry. Paper-X (Optional) Paper-XB : Polymer Chemistry. Paper-XA : Nuclear Chemistry. Paper-XC : Biochemistry. Paper XC : Biochemistry. Paper XD : Agriculture and Dairy Chemistry.

EQUIVALENT COURSES OF M.Sc. PART-I

CHEMISTRY (Physical/Inorganic/Organic/Analytical Chemistry)

<u>Class</u>	<u>Old Courses/Papers</u>	<u>Equivalent Current Courses/Papers</u>
M.Sc.I.	CH-110 Physical Chemistry-I	CH-110 Physical Chemistry
Sem. I.	CH-130 Inorganic Chemistry-I	CH-130 Inorganic Chemistry & Analytical Chemistry
	CH-150 Organic Chemistry-I	CH-150 Organic Chemistry.
M.Sc.I	CH-210 Physical Chemistry-II	CH-210 Physical Chemistry.
Sem. II	CH-230 Inorganic Chemistry-II	CH-230 Inorganic & Analytical Chemistry.
	CH-250 Organic Chemistry-II	CH-250 Organic Chemistry.
	*CH-290 General Chemistry (Any two of the following)	No equivalent new course can be assigned to Old CH-290
	Part A - Concepts of Analytical Chemistry	course. Hence question papers be set on old courses only.
	Part-B - Techniques of Separation.	
	Part-C - Instrumental Methods of Analysis.	
	Part-D - Chemical Mathematics.	

Note :- 1. Students of Analytical Chemistry will option for Part A and B.

2. Students of Organic, Inorganic and Physical chemistry will take any two out of Part B,C. and D.

EQUIVALENT COURSES OF M.Sc. PART-II IN ORGANIC CHEMISTRY

<u>Class</u>	<u>Old Courses/Papers</u>	<u>Equivalent Current Courses/Papers</u>
M.Sc.II	CH-350 Organic Reaction Mechanism.	CH-350 Organic Reaction Mechanism.
Sem.III	CH-351 Physical Methods in Structure Determination.	CH-351 Physical Methods in Structure Determination.
	CH-352 Organic Stereochemistry.	CH-352 Organic Stereochemistry.
	* CH-340 Heterocyclic Chemistry, free radicals and Photochemistry.	CH-453 Heterocyclic Chemistry.
	* CH-341 Heterocyclic Chemistry, Vitamins, Antibiotics and Hormones.	CH-453 Heterocyclic Chemistry.
	* CH-342 Heterocyclic Chemistry, Photochemistry and Organic Electrochemistry	CH-453 Heterocyclic Chemistry.
M.Sc.II	CH-450 Chemistry of Natural Products.	CH-450 Chemistry of Natural Products.
Sem.IV	CH-451 Synthetic Methods in Organic Chemistry	(U) CH-451 Synthetic Methods in Organic Chemistry.
	*CH-440 Newer Aspects of Organic Synthesis	No equivalent new courses can be assigned to old *CH-440, *CH-441 and *CH-442 courses. Hence question papers be set on old courses only.
	*CH-441 Chemotherapy and Drug Design	
	*CH-442 Theoretical Organic Chemistry	
	*CH-443 Bio-organic Chemistry	CH-454 Bio-organic Chemistry.
	*CH-444 Medicinal Chemistry.	CH-452 Medicinal Chemistry.

* These are Departmental Courses.

EQUIVALENT COURSES OF M.Sc. PART-II ANALYTICAL CHEMISTRY

<u>CLASS</u>	<u>OLD COURSES/PAPERS</u>	<u>EQUIVALENT CURRENT COURSES/PAPERS.</u>
M.Sc.II Sem-III	CH-390 Concepts of Analytical Chemistry	CH-391 Concepts of Analytical Chemistry.
	CH-391 Electroanalytical and Other Methods	No equivalent new course can be assigned to Old CH-391 course. Hence question Papers be set on old courses only.
	CH-392 Modern separation Science	CH-392 Modern Separation Science.
	CH-380 Pharmaceutical Analysis.	CH-380 Pharmaceutical Analysis.
	CH-381 Analysis of Organics and Medicinals.	CH-381 Analysis of Organics and Medicinals.
M.Sc.II Sem.IV	CH-490 Absorption Spectroscopic Methods of Analysis.	CH-491 Absorption and Emission Spectroscopic Methods of Analysis.
	CH-491 Emission Spectroscopic Methods of Analysis and Analysis of Industrial Material.	CH-492 Some Analytical Methods and Analysis of Complex materials.
	CH-480 Environmental Analysis.	CH-480 Environmental Analysis.
	CH-481 Bioanalysis and Analysis of Food.	CH-481 Bioanalysis and Analysis of Food.
	CH-482 Applications of Analytical Chemistry in Earth Sciences.	CH-482 Applications of Analytical Chemistry in Earth Sciences.
