

## DEPARTMENT OF CHEMISTRY

### MASTER OF SCIENCE- CHEMISTRY (As per NEP-2020)

<p><b>SEM I</b> <b>Major Subject (Mandatory)</b> 01MSCCH01 Paper I - (Inorganic Chemistry) 01MSCCH02 Paper II – (Organic Chemistry) 01MSCCH03 Paper III - (Physical Chemistry)</p> <p><b>Major Elective (Any One)</b> 01MSCCH04 Paper IV (Analytical Chemistry) 01MSCCH05 Paper IV (Ind. Chem. &amp; Env.) 01MSCCH06 Paper IV (Green Chemistry) 01MSCCH07 Paper IV (Hetcyc. &amp; Nat. Prod.) 01MSCCH08 Paper IV (Pharm. &amp; Cosm. Chemistry)</p> <p><b>Practical</b> 01MSCCHL1 Practical I (Based on Paper I &amp; II)</p> <p><b>Compulsory Paper (RM)</b> 01MSCCH09 Paper V (Research Methodology) 01MSCCHSI Seminar I</p>	<p><b>SEM II</b> <b>Major Subject (Mandatory)</b> 02MSCCH01 Paper I - (Inorganic Chemistry) 02MSCCH02 Paper II – (Organic Chemistry) 02MSCCH03 Paper III - (Physical Chemistry)</p> <p><b>Major Elective (Any One)</b> 02MSCCH04 Paper IV (Analytical Chemistry) 02MSCCH05 Paper IV (Inorg. Mat. of Ind. Imp.) 02MSCCH06 Paper IV (Polymer Chemistry) 02MSCCH07 Paper IV (Mol. Spectroscopy) 02MSCCH08 Paper IV (Front. In Electrochemistry)</p> <p><b>Practical</b> 02MSCCHL3 Practical III 02MSCCHL2 Practical IV 02MSCCH09 Paper V (OJT/FP) 02MSCCHS2 Seminar II</p>
<p><b>SEM III</b> <b>Major Subject (Mandatory)</b> STPG03CHE01 Special - I (Organic Chemistry) STPG03CHE02 Special - II (Organic Chemistry) STPG03CHE03 Paper III (Spectroscopy - I)</p> <p><b>Major Elective (Any One)</b> STPG03CHE04 Paper IV (Polymer Chemistry - I) STPG03CHE05 Paper IV (Medicinal Chemistry - I) STPG03CHE06 Paper IV (Nuclear Chemistry – I) STPG03CHE07 Paper IV (Appl. Analytical – I)</p> <p><b>Practical</b> STPG03CHE08 Practical (Based on Major) STPG03CHE09 Practical ((Based on Major Elective)</p> <p>STPG03CHE10 Paper V (Research Project phase – I)</p>	<p><b>SEM IV</b> <b>Major Subject (Mandatory)</b> STPG04CHE01 Special - III (Organic Chemistry) STPG04CHE02 Special - IV (Organic Chemistry)</p> <p><b>Major Elective (Any One)</b> STPG03CHE03 Paper III (Polymer Chemistry - II) STPG03CHE04 Paper III (Medicinal Chemistry - II) STPG03CHE05 Paper III (Nuclear Chemistry – II) STPG03CHE06 Paper III (Appl. Analytical – II)</p> <p><b>Practical</b> STPG03CHE07 Practical III (Based on Major) STPG03CHE08 Practical IV ((Based on Major)</p> <p>STPG03CHE08 Paper IV (Research Project phase – II)</p>