

## M. Sc. (Chemistry) CBCS Pattern

### Semester I

<b>Paper I</b>	<b>: PSCChT01-Inorganic Chemistry</b>
<b>Paper II</b>	<b>: PSCChT02-Organic Chemistry</b>
<b>Paper III</b>	<b>: PSCChT03-Physical Chemistry</b>
<b>Paper IV</b>	<b>: PSCChT04-Analytical Chemistry</b>
<b>Practical I</b>	<b>: PSCChP01-Inorganic Chemistry</b>
<b>Practical II</b>	<b>: PSCChP02-Organic Chemistry</b>
<b>Seminar I</b>	<b>: PSCChP03</b>

### Semester II

<b>Paper V</b>	<b>: PSCChT05-Inorganic Chemistry</b>
<b>Paper VI</b>	<b>: PSCChT06-Organic Chemistry</b>
<b>Paper VII</b>	<b>: PSCChT07-Physical Chemistry</b>
<b>Paper VIII</b>	<b>: PSCChT08-Analytical Chemistry</b>
<b>Practical III</b>	<b>: PSCChP04-Inorganic Chemistry</b>
<b>Practical IV</b>	<b>: PSCChP05-Irganic Chemistry</b>
<b>Seminar II</b>	<b>: PSCChP06</b>

### Semester III

<b>Paper IX</b>	<b>: PSCChT09-Spectroscopy</b>
<b>Paper X</b>	<b>: PSCChT10-Inorganic/Organic/Physical/Analytical (Special I)</b>
<b>Paper XI</b>	<b>: PSCChT11- Inorganic/Organic/Physical/Analytical (Special II)</b>
<b>Paper XII</b>	<b>: PSCChT12- (Elective) Applied Analytical/Nuclear/Environmental/ Polymer / Medicinal Chemistry</b>
<b>Practical VII</b>	<b>: PSCChP07- (Special) Inorganic/Organic/Physical/Analytical Chemistry</b>
<b>Practical VIII</b>	<b>: PSCChP08- (Elective) Applied Analytical/Nuclear/Environmental/ Polymer/ Medicinal Chemistry</b>
<b>Seminar III</b>	<b>: PSCChP09</b>

### Semester IV

<b>Paper XIII</b>	<b>: PSCChT13- Spectroscopy</b>
<b>Paper XIV</b>	<b>: PSCChT14- Inorganic/Organic/Physical/Analytical (Special I)</b>
<b>Paper XV</b>	<b>: PSCChT15- Inorganic/Organic/Physical/Analytical (Special II)</b>
<b>Paper XVI</b>	<b>: PSCChT16- (Elective) Applied Analytical/Nuclear/Environmental/ Polymer / Medicinal Chemistry</b>
<b>Practical X</b>	<b>: PSCChP10-(Special) Inorganic/Organic/Physical/Analytical Chemistry</b>
<b>Practical XI</b>	<b>: PSCChP11- Project (Dissertation)</b>
<b>Seminar IV</b>	<b>: PSCChP12</b>

Code	Theory Practical	Teaching Scheme			Credit	Examination Marking Scheme					
		Hrs. / Week				Duration	Maximum Marks		Total	Minimum Marks	
		Theory	Practical	Total			External	Internal		Theory	Practical
<b>SEMESTER I</b>											
PSCChT01	Paper I	4	--	4	4	3	80	20	100	40	--
PSCChT02	Paper II	4	--	4	4	3	80	20	100	40	--
PSCChT03	Paper III	4	--	4	4	3	80	20	100	40	--
PSCChT04	Paper IV	4	--	4	4	3	80	20	100	40	--
PSCChP01	Practical I	--	8	8	4	12	80	20	100	--	40
PSCChP02	Practical II	--	8	8	4	12	80	20	100	--	40
PSCChP03	Seminar I	2	--	2	1	--	--	25	25	10	--
<b>Total</b>		<b>18</b>	<b>16</b>	<b>34</b>	<b>25</b>	<b>--</b>	<b>480</b>	<b>145</b>	<b>625</b>	<b>170</b>	<b>80</b>
<b>SEMESTER II</b>											
PSCChT05	Paper V	4	--	4	4	3	80	20	100	40	--
PSCChT06	Paper VI	4	--	4	4	3	80	20	100	40	--
PSCChT07	Paper VII	4	--	4	4	3	80	20	100	40	--
PSCChT08	Paper VIII	4	--	4	4	3	80	20	100	40	--
PSCChP04	Practical III	--	8	8	4	12	80	20	100	--	40
PSCChP05	Practical IV	--	8	8	4	12	80	20	100	--	40
PSCChP06	Seminar II	2	--	2	1	--	--	25	25	10	--
<b>Total</b>		<b>18</b>	<b>16</b>	<b>34</b>	<b>25</b>	<b>145</b>	<b>480</b>	<b>145</b>	<b>625</b>	<b>170</b>	<b>80</b>
<b>SEMESTER III</b>											
PSCChT09	Paper IX	4	--	4	4	3	80	20	100	40	--
PSCChT10 (Special I)	Paper X	4	--	4	4	3	80	20	100	40	--
PSCChT11 (Special II)	Paper XI	4	--	4	4	3	80	20	100	40	--
PSCChT12 (Elective)	Paper XII	4	--	4	4	3	80	20	100	40	--
PSCChP07 (Special)	Practical VII	--	8	8	4	12	80	20	100	--	40
PSCChP08 (Elective)	Practical VIII	--	8	8	4	12	80	20	100	--	40
PSCChP09	Seminar III	2	--	2	1	--	--	25	25	10	--
<b>Total</b>		<b>18</b>	<b>16</b>	<b>34</b>	<b>25</b>	<b>145</b>	<b>480</b>	<b>145</b>	<b>625</b>	<b>170</b>	<b>80</b>
<b>SEMESTER IV</b>											
PSCChT013	Paper XIII	4	--	4	4	3	80	20	100	40	--
PSCChT14 (Special I)	Paper XIV	4	--	4	4	3	80	20	100	40	--
PSCChT15 (Special II)	Paper XV	4	--	4	4	3	80	20	100	40	--
PSCChT16 (Elective)	Paper XVI	4	--	4	4	3	80	20	100	40	--
PSCChP10 (Special)	Practical VII	--	8	8	4	12	80	20	100	--	40
PSCChP11 (Elective)	Project	--	8	8	4	12	80	20	100	--	40
PSCChP12	Seminar IV	2	--	2	1	--	--	25	25	10	--
<b>Total</b>		<b>18</b>	<b>16</b>	<b>34</b>	<b>25</b>	<b>145</b>	<b>480</b>	<b>145</b>	<b>625</b>	<b>170</b>	<b>80</b>