

**Shri M. & N. Virani Science College ( Autonomous)**  
**Conceptual Framework of Curriculum**  
**for PG Programs**  
**For students admitted from A.Y. 2019-2020 & onwards**  
**M.Sc. Chemistry Programs**

Part	Sem.	Course / Component	Instruction hrs./week	No. of Courses	Credit/ Course	Total Credits	
<b>Part-I</b>	1-4	<b>Core</b> (Fundamental, Advanced, Applied) • Theory • Practical  Core-Applied, if needed may be restricted to 3 <sup>rd</sup> & 4 <sup>th</sup> semesters	T-3-5 P-3-12	9-12	3-5 1-6	40-61 <b>OR</b> 53-85	
	3	<b>Core – Self study</b>	1	1	3	3	
	3,4	<b>DSE – Core</b> • Theory • Practical	T-3-5 P-3-10 <b>OR</b> T-3-5 (in built practical)	2T+2P  Only 2T	T-3-4 P-1-3 }  3-6	8-14  6-12	
	3	<b>DSE – Core</b> • Theory • Practical	<b>OR</b> T-3-5 P-3-10 (in built practical)	1T+1P  <b>OR</b> 1T	T-3-4 P-1-3 }  3-6	4-7  3-6	
	3,4	Project/ Adv. Practical/ Internship/ Skill training	<b>3<sup>rd</sup> Sem.</b> 2-5 <b>4<sup>th</sup> Sem.</b> 5-20 <b>OR</b> <b>3<sup>rd</sup> Sem.</b> 5-9 <b>4<sup>th</sup> Sem.</b> 5-20	1  1	<b>3<sup>rd</sup> Sem.</b> 5-10 <b>4<sup>th</sup> Sem.</b> 10-15  <b>3<sup>rd</sup> Sem.</b> 2-5 <b>4<sup>th</sup> Sem.</b> 4-7	15-25  4-9	
	1 & 2	<b>DSE-ID</b> <b>Choice from following 2</b> • Dept. choice of ID course • Statistical Methods/ Industrial Environment Management	2T+2P <b>OR</b> 2T 4 hrs/week	2-4	<b>T-2-3</b> <b>P-1-2</b>	3+3=6	
	3	<b>Generic Elective (GE)</b>	2	1	2	2	
	<b>Total Credits of Part-I</b>						<b>90</b>

Part	Sem.	Course / Component	Instruction hrs./week	No. of Courses	Credit/ Course	Total Credits
<b>Part-II</b>	1-3	<b>Competency Enhancement Course (CEC)</b> • CEC-I (Dept's choice)	Out of class hrs./ within core hrs.	1	2	2
	1-4	• CEC-II Online/Professional certification course (from choices approved by AC)	Out of class hrs.	1	2	2
	1,2	<b>Value Education</b>	1	1	2	2
	<b>Total Credits of Part-II</b>					<b>6</b>
<b>Total Credits for M.Sc. Degree (Part-I+II)</b>					<b>90+6 = 96 Cr.</b>	

**Total credits to earn the Degree = 96 Credits**

Part-I = 90 Credits

Part-II = 06Credits

**Total = 96 Credits**

**Only Part-I credits will be completed for classification.**