Shri Rawatpura Sarkar University, Raipur



Examination Scheme & Syllabus for

Master of Science in Chemistry Semester-IV

(Effective from the session: 2021-2022)



Examination Scheme (Effective from the session: 2021-2022)

SN	Course Code	Th/ Pr	Subject	Type of Course	Credit				Examination Scheme				Total
					L	Т	P	TC	Theory		Practical		Marks
									EX	IN	EX	IN	
1.	SMS04481	Pr	Dissertation	Core	-	-	36	18	ı	ı	315	135	450
2.	SMS04482	Pr	Seminar and Viva Voce	Core	-	-	8	4	-	ı	70	30	100
3.	SMS04483	Pr	Research paper				4	2	-	-	35	15	50
	Total							24					600



Course Title	Dissertation									
Course Code	SMS04481									
Course	L	T	P	TC						
Credits	-	-	36	18						
Prerequisites	Knowledge of theory and practical chemistry.									
	• The capability to use a holistic view to critically, independently creatively identify, formulate and deal with complex issues.									
	• The capability to plan and use adequate methods to conduct qualified tasks in given frameworks and to evaluate this work.									
	The capability to create, analyse and critically evaluate different technical and feasible solutions.									
	The capability to critically and systematically integrate knowledge.									
	y to clearly present and discuss the conclusions as well as the ad arguments that form the basis for these findings in written and sh.									
Course	• The capability to identify the issues that must be addressed within the framework of the specific thesis in order to take into consideration all relevant dimensions of sustainable development.									
Objectives	A consciousness of the ethical aspects of research and development work									
	Dissertation must be completed as per the following:-									
	The work must be in continuation with the title as selected in final year for the Preliminary work on Dissertation									
	2	2. Well-defined Engineering Research – based Problem must be selected								
	3	3. Motivation to select such problem								
	4	4. Literature Survey: Part 1 (What other researchers have done so far?)								
Course	5	5. Literature Survey: Part 2 (What are the Voids found?)								
Contents	6. Problem Formulation (As per the voids detected)									
	7	7. Solution Methodology with respect to the:								
	I Flowchart and Algorithm									
		II.	- 1	What 1	methods have been applied?					
	I	II.	- 7	Why t	hey have been applied?					
	I	IV How they have been applied?								
		V.	- 1	Mathe	matical formulations to justify the work					



	VI Case-based studies (if any)						
	VII Results and Discussions (must be thorough)						
	8. So far Observations and further planning's						
	9. Any help to the Society through the selected research based problem						
	10. The thesis must be completed as per the following format:(Next Page)						
	Demonstrate of well-defined selected project problem						
Course Outcomes	• Encourage to prepare one International Journal and attends two International Conferences related to their final project.						
o accomes	Present effectively each part of the dessertation in terms of motivation, literature, methodlogy, experimetation and final conclusions						



FORMAT OF THESIS

Binding of thesis	Cover	Five Hard Cover Binding							
	Colour	Light Blue							
	Margin Top	4 Cm							
	Margin Bottom	4 Cm							
	Margin Left	4 Cm							
,	Margin Right	2 Cm							
	Printing on theTop	Title of the thesis in capital letters (24 font size) Times New Roman							
	Printing in the middle of cover	Name of the candidate in capital letters (18 font size) Times New Roman							
	Printing on Bottom	THESIS Submitted to SHRI RAWATPURA SARKARUNIVERSITY, RAIPUR for the award of the Degree of Master of Science in (subject) with Specialization Month, Year							
	Printing on the Binding edge	The binding edge of the jacket should contain the name of the candidate, year and thesis title.							
Inside of thesis	Printing	In 1½ space, All text in 11 Size with Ariel font and all equations and symbols in 12 size with Times Roman font.							
	Margin Top	3 Cm							
	Margin Bottom	3 Cm							
	Margin Left	4 Cm							
	Margin Right	2 Cm							
	Quality of paper	Good quality (Executive of 85 GSM)							
	Size of paper	29 cms long, 23 cms wide							
	Table of contents	(i) Printing of cover to be repeated on first page							



	(ii) Certificate of the supervisor(s)				
	(iii) Acknowledgement				
	(iv) Synopsis -To convey briefly the content of the thesis to draw attention to all new information and to the main conclusions. It should be factual and should be suitable for copying, quoting or indexing by information services.				
	(v)Contents				
	(vi) List of Tables				
	(vii) List of Figures				
	(viii)List of symbols and abbreviations, if any-The text which follows should have suitable titles and sub-titles with pages numbered at the top right hand corner 1 cm from top and 1 cm from right edge. First chapter should be 'Introduction'				
	Second chapter should be "Review of Related Work"				
	Third chapter should be "Problem Formulation and Solution Methodology" Fourth chapter should be "Experimental Results and Discussions"				
	Fifth chapter should be "Applications of the work"				
	and the last chapter should be 'Conclusions and Further Scope of the Work' Appendix (if any) can be kept after Bibliography				
Bibliography	Either the Harvard system, in which the names and dates given in the body of the text and the references to be alphabetically listed at the end of the thesis or a system in which numbers are inserted in the text e.g. [3], and references to those are given at the end of the thesis in as BIS system.				