

Shri Rawatpura Sarkar University, Raipur



Examination Scheme & Syllabus

for

Three Year Bachelor of Science (Hons.) in Chemistry Programme

B.Sc. (Hons.) Chemistry Semester-V

(Effective from the session: 2022-23)



Shri Rawatpura Sarkar University

Raipur, Chhattisgarh

Department of Chemistry

Faculty of Science,

Three Year Bachelor of Science (Hons.) in Chemistry Programme

B.Sc. (Hons.) Chemistry Semester-V

Scheme of Teaching and Examination

Outcome Based Education (OBC) and Choice Based Credit System (CBCS)

(Effective from the session: 2022-2023)

S. No.	Course Code	Course Title	Hours/ Week			Credit	Maximum Marks			Sem End Exam Duration (Hrs)
			L	T	P		Continuation Evaluation	Semester End Examination	Total	
1	SSH02584P	Dissertation	-	-	32	16	120	280	400	-
2	SSH02585P	Seminar and Viva Voce	-	-	12	6	45	105	150	3.0
3	SSH02586P	Research paper in Journal/Conference /Seminar	-	-	8	4	30	70	100	-
Total teaching hrs/week: 52			Total Credits			26	Total Marks		650	



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Course Title	Project and Viva voce			
Course Code	SSH02585P			
Course Credits	L	T	P	TC
	-	-	28	28
Prerequisites	Basic Knowledge of Chemistry			
Course Objectives	<ol style="list-style-type: none"> 1. The capability to use a holistic view to critically, independently and creatively identify, formulate and deal with complex issues. 2. The capability to plan and use adequate methods to conduct qualified tasks in given frameworks and to evaluate this work. 3. The capability to create, analyse and critically evaluate different technical and feasible solutions. 4. The capability to critically and systematically integrate knowledge. 5. The capability to clearly present and discuss the conclusions as well as the knowledge and arguments that form the basis for these findings in written and spoken English. 6. 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. 7. A consciousness of the ethical aspects of research and development work 			
Course Contents	<p>Dissertation must be completed as per the following:-</p> <ol style="list-style-type: none"> 1. The work must be in continuation with the title as selected in final year for the Preliminary work on Dissertation 2. Well-defined Engineering Research – based Problem must be selected 3. Motivation to select such problem 4. Literature Survey: Part 1 (What other researchers have done so far?) 5. Literature Survey: Part 2 (What are the Voids found?) 6. Problem Formulation (As per the voids detected) 7. Solution Methodology with respect to the : <ol style="list-style-type: none"> I. <input type="checkbox"/> Flowchart and Algorithm II. <input type="checkbox"/> What methods have been applied? III. <input type="checkbox"/> Why they have been applied? IV. <input type="checkbox"/> How they have been applied? 			



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2022-2023

	<p>V. <input type="checkbox"/> Mathematical formulations to justify the work</p> <p>VI. <input type="checkbox"/> Case <input type="checkbox"/> based studies (if any)</p> <p>VII. <input type="checkbox"/> Results and Discussions (must be thorough)</p> <p>8. So far Observations and further planning's</p> <p>9. Any help to the Society through the selected research based problem</p> <p>10. The thesis must be completed as per the following format:(Next Page)</p>
Course Outcomes	<ol style="list-style-type: none">1. Demonstrate of well-defined selected project problem2. Encourage to prepare one International Journal and attends two International Conferences related to their final project .3. Present effectively each part of the dissertation in terms of motivation, literature, methodology, experimentation and final conclusions



Three year Bachelor of Science (Hons) in Chemistry programme
B.Sc. (Hons) Chemistry Semester-V
2022-2023

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 the Top	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 SARKAR UNIVERSITY, RAIPUR for the award of the Degree of Bachelor 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 1 ½ 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	(i) Printing of cover to be repeated on first page



Three year Bachelor of Science (Hons) in Chemistry programme
B.Sc. (Hons) Chemistry Semester-V
2022-2023

	contents	
		(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.