

Jiwaji University, Gwalior
B.Sc. (Hons) Chemistry 2021-25
Course Structure and Scheme of Examination

First Semester:

Course Code	Course Name	Total Marks	Credit	End Sem Exam Marks		Sessional Marks	
				MAX	MIN	MAX	MIN
Major-1T	Inorganic Chemistry-I	100	4	60	21	40	14
Minor-1T	Physical Chemistry-I	100	4	60	21	40	14
Major-1P	Inorganic Chemistry-I Lab	100	2	60	21	40	14
Minor-1P	Physical Chemistry-I Lab	100	2	60	21	40	14
GE-1	Elements of Modern Physics	100	4	60	21	40	14
AECC-1	English Communication	100	4	60	21	40	14
	Grand Total		20				

Second Semester:

Course Code	Course Name	Total Marks	Credit	End Sem Exam Marks		Sessional Marks	
				MAX	MIN	MAX	MIN
Major-2T	Organic Chemistry-I	100	4	60	21	40	14
Minor-2T	Physical Chemistry-II	100	4	60	21	40	14
Major-2P	Organic Chemistry-I Lab	100	2	60	21	40	14
Minor-2P	Physical Chemistry-II Lab	100	2	60	21	40	14
GE-II	Electricity & Magnetism	100	4	60	21	40	14
AECC-2	Environmental Science	100	4	60	21	40	14
	Grand Total		20				

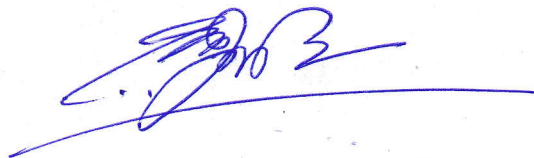


Third Semester:

Course Code	Course Name	Total Marks	Credit	End Sem Exam Marks		Sessional Marks	
				MAX	MIN	MAX	MIN
Major-3T	Inorganic Chemistry-II	100	4	60	21	40	14
Minor-3T	Organic Chemistry-II	100	4	60	21	40	14
Major-3P	Inorganic Chemistry-II Lab	100	2	60	21	40	14
Minor-3P	Organic Chemistry-II Lab	100	2	60	21	40	14
GE-III	Computer Fundamentals	100	4	60	21	40	14
SEC-I	Green Chemistry	100	4	60	21	40	14
	Grand Total		20				

Fourth Semester:

Course Code	Course Name	Total Marks	Credit	End Sem Exam Marks		Sessional Marks	
				MAX	MIN	MAX	MIN
Major-4T	Physical Chemistry-III	100	4	60	21	40	14
Minor-4T	Organic Chemistry-III	100	4	60	21	40	14
Major-4P	Physical Chemistry-III Lab	100	2	60	21	40	14
Minor-4P	Organic Chemistry-III Lab	100	2	60	21	40	14
GE-IV	Introduction to Database System	100	4	60	21	40	14
SEC-II	Intellectual Property Right	100	4	60	21	40	14
	Grand Total		20				



Fifth Semester:

Course Code	Course Name	Total Marks	Credit	End Sem Exam Marks		Sessional Marks	
				MAX	MIN	MAX	MIN
Major-5T	Inorganic Chemistry-III	100	4	60	21	40	14
Major-5P	Inorganic Chemistry-III Lab	100	2	60	21	40	14
DSE-I	Inorganic Materials of Industrial Importance	100	4	60	21	40	14
SEC-III	Cheminformatics	100	4	60	21	40	14
FS-I	Field Project/Internship/Apprenticeship	100	6	100	35	xx	xx
	Grand Total		20				

Sixth Semester:

Course Code	Course Name	Total Marks	Credit	End Sem Exam Marks		Sessional Marks	
				MAX	MIN	MAX	MIN
Major-6T	Organic Chemistry-IV	100	4	60	21	40	14
Major-6P	Organic Chemistry-IV Lab	100	2	60	21	40	14
DSE-II	Molecular Modelling & Drug Design	100	4	60	21	40	14
DSE-III	Polymer Chemistry	100	4	60	21	40	14
FS-II	Field Project/Internship/Apprenticeship	100	6	100	35	xx	xx
	Grand Total		24				



Seventh Semester:

Course Code	Course Name	Total Marks	Credit	End Sem Exam Marks		Sessional Marks	
				MAX	MIN	MAX	MIN
Major-7T	Physical Chemistry-IV	100	4	60	21	40	14
Major-7P	Physical Chemistry-IV Lab	100	2	60	21	40	14
DSE-IV	Instrumental Methods of Chemical Analysis	100	4	60	21	40	14
Minor-5	Research Methodology for Chemistry	100	4	60	21	40	14
FS-III/SRP-I	Field Project/Internship/Apprenticeship or Research Project	100	6	100	35	xx	xx
	Grand Total		20				

Eighth Semester:

Course Code	Course Name	Total Marks	Credit	End Sem Exam Marks		Sessional Marks	
				MAX	MIN	MAX	MIN
Major-8T	Inorganic Chemistry-IV	100	4	60	21	40	14
Major-8P	Inorganic Chemistry-IV Lab	100	2	60	21	40	14
Minor-6	Fuel Chemistry	100	4	60	21	40	14
FS-IV/SRP-II	Field Project/Internship/Apprenticeship or Research Project	100	10	100	35	xx	xx
	Grand Total		20				

