Glocal School of Science
Program Structure (w.e.f. 2023-24)
B.Sc. (Bachelor of Science)
(Physics/Chemistry/Mathematics)
SEMESTER: V

S. No.	Subject Selection Remarks for Students	Subject	Course Code	Course Title	Teaching Load			Credits	Evaluation Scheme		Total
					L	T	P		Internal	End Sem.	
1	Students are allowed to choose only one subject.	**Major Course (Subject-I) Own Faculty**									
		Physics	B010501T	Classical & Statistical Mechanics	4	0	0	4	25	75	100
			B010502T	Quantum Mechanics & Spectroscopy	4	0	0	4	25	75	100
			B010503P	Demonstrative Aspects of Optics & Lasers	0	0	2	2	_	100	100
		Chemistry	B020501T	Organic Synthesis-A	4	0	0	4	25	75	100
			B020502T	Rearrangements and Chemistry of Group Elements	4	0	0	4	25	75	100
			B020503P	Qualitative Analysis	0	0	2	2	_	100	100
		Mathematics	B030501T	Group and Ring Theory & Linear Algebra	4	1	0	5	25	75	100
			Optional (Mathematics) -Choose any one								
			B030502T	Number Theory & Game Theory Graph Theory & Discrete Mathematics Differential Geometry & Tensor Analysis	4	1	0	5	25	75	100
2	Students are allowed to choose only one subject other than S. No. 1.	**Major Course (Subject-II) Own Faculty (Choose any one)**									
		Physics	B010501T	Classical & Statistical Mechanics	4	0	0	4	25	75	100
			B010502T	Quantum Mechanics & Spectroscopy	4	0	0	4	25	75	100
			B010503P	Demonstrative Aspects of Optics & Lasers	0	0	2	2	_	100	100
		Chemistry	B020501T	Organic Synthesis-A	4	0	0	4	25	75	100
			B020502T	Rearrangements and Chemistry of Group Elements	4	0	0	4	25	75	100
			B020503P	Qualitative Analysis	0	0	2	2	_	100	100
		Mathematics	B030501T	Group and Ring Theory & Linear Algebra	4	1	0	5	25	75	100
			Optional (Mathematics) -Choose any one								
			B030502T	Number Theory & Game Theory Graph Theory & Discrete Mathematics Differential Geometry & Tensor Analysis	4	1	0	5	25	75	100
3	Students are required to select a research project based on the subject they have chosen from Serial Number 01.	**Research Project (Project-1) (Qualifying)**									
		Physics	B010504R	Physics Applications-based Dissertation/Project	0	0	3	3	_	100	100
		Chemistry	B020504R	Chemistry Applications-based Dissertation/Project							
		Mathematics	B030503R	Mathematics-based Dissertation/Project							
4	Co-curricular (Qualifying) - Course	**Co-curricular (Qualifying)**									
		Co-curricular	Z050501	Analytic Ability and Digital Awareness	2	0	0	2	25	75	100
	Total							**25**			