



Course of Study Code	Discipline Code	Discipline		Course Name	Course Type	Course Code	Course Details	L - T - P	Course Credit	Sem Credit	Internal Marks		End Sem Marks		Total Marks	Sem Marks
											Practical	Theoretical	Practical	Theoretical		
MSC	MSCGEOL	M.Sc. in Applied Geology	I	Mineralogy and Geochemistry	C	MSCGEOLC101	CC- 1	4 - 0 - 0	4	20		15		35	50	300
				Structural Geology	C	MSCGEOLC102	CC- 2	4 - 0 - 0	4		15		35	50		
				Sedimentology	C	MSCGEOLC103	CC- 3	4 - 0 - 0	4		15		35	50		
				Palaeontology	C	MSCGEOLC104	CC- 4	4 - 0 - 0	4		15		35	50		
				Mineralogy and Structural Geology	C	MSCGEOLC105	CC- 5	0 - 0 - 4	2		30		20	50		
				Sedimentology and Palaeontology	C	MSCGEOLC106	CC-6	0 - 0 - 4	2		30		20	50		
			II	Igneous Petrology	C	MSCGEOLC201	CC- 7	4 - 0 - 0	4	26		15		35	50	400
				Metamorphic Petrology	C	MSCGEOLC202	CC- 8	4 - 0 - 0	4		15		35	50		
				Economic Geology	C	MSCGEOLC203	CC- 9	4 - 0 - 0	4		15		35	50		
				Stratigraphy	C	MSCGEOLC204	CC-10	4 - 0 - 0	4		15		35	50		
				Igneous and Metamorphic Petrology	C	MSCGEOLC205	CC-11	0 - 0 - 4	2		30		20	50		
				Ore Petrography and Stratigraphy	C	MSCGEOLC206	CC-12	0 - 0 - 4	2		30		20	50		
				Field Geology	C	MSCGEOLC207	CC-13	0 - 0 - 4	2		30		20	50		
			Choose from Pool of Minor Electives	MIE	See Pool	MIE-1	4 - 0 - 0	4		15		35	50			
			III	Geotectonics and Hydrocarbon Exploration	C	MSCGEOLC301	CC-14	4 - 0 - 0	4	22		15		35	50	300
				Hydrogeology	C	MSCGEOLC302	CC-15	4 - 0 - 0	4		15		35	50		
				Mineral Exploration and Mineral Beneficiation	C	MSCGEOLC303	CC-16	4 - 0 - 0	4		15		35	50		
				Coal Geology and Mining	C	MSCGEOLC304	CC-17	4 - 0 - 0	4		15		35	50		
				Hydrogeology	C	MSCGEOLC305	CC-18	0 - 0 - 4	2		30		20	50		
				Literature Review and Colloquium	MIE	MSCGEOLMIE301	MIE-2	4 - 0 - 0	4			15		35	50	
			IV	Remote Sensing & GIS, and Engineering Geology	C	MSCGEOLC401	CC-19	4 - 0 - 0	4	30		15		35	50	100+100
				Remote Sensing & GIS	C	MSCGEOLC402	CC-20	0 - 0 - 4	2		30		20	50		
				Industrial Training	C	MSCGEOLC403	CC-21	0 - 0 - 4	2		30		20	50		
				Dissertation Thesis, Viva voce, Seminar	C	MSCGEOLC404	CC-22	0 - 5 - 10	10		60		40	100		
				Advanced Hydrogeology - I	Option A	MJE [Group I] (Any One Option to be selected)	MSCGEOLMJE401	MJE -1 and MJE-2	4 - 0 - 0		4	30	15	20	35	
				Advanced Hydrogeology - II	Option A	MSCGEOLMJE402	4 - 0 - 4	2	30			20	35			
				Applied Geophysics - I	Option B	MSCGEOLMJE403	4 - 0 - 0	4	30		15	20	35			
				Applied Geophysics - II	Option B	MSCGEOLMJE404	0 - 0 - 4	2	30			15	20	35		
				Geostatistics - I	Option C	MSCGEOLMJE405	4 - 0 - 0	4	30		15	20	35			
				Geostatistics - II	Option C	MSCGEOLMJE406	0 - 0 - 4	2	30			20	35			
				Oceanography - I	Option D	MSCGEOLMJE407	4 - 0 - 0	4	30		15	20	35			
				Oceanography - II	Option D	MSCGEOLMJE408	0 - 0 - 4	2	30			15	20	35		
				Isotope Geochemistry - I	Option E	MSCGEOLMJE409	4 - 0 - 0	4	30		15	20	35			
				Isotope Geochemistry - II	Option E	MSCGEOLMJE410	0 - 0 - 4	2	30			15	20	35		
				Quaternary Geology - I	Option F	MJE [Group II] (Any One Option to be selected)	MSCGEOLMJE411	MJE-3 and MJE-4	4 - 0 - 0		4	30	15	20	35	
				Quaternary Geology - II	Option F	MSCGEOLMJE412	0 - 0 - 4	2	30			15	20	35		
Environmental Geology - I	Option G	MSCGEOLMJE413		4 - 0 - 0	4	30	15	20	35							
Environmental Geology - II	Option G	MSCGEOLMJE414		0 - 0 - 4	2	30		15	20		35					
Climatology - I	Option H	MSCGEOLMJE415		4 - 0 - 0	4	30	15	20	35							
Climatology - II	Option H	MSCGEOLMJE416		0 - 0 - 4	2	30		15	20		35					
Phase Equilibria in Metamorphic Petrology - I	Option I	MSCGEOLMJE417	4 - 0 - 0	4	30	15	20	35								
Phase Equilibria in Metamorphic Petrology - II	Option I	MSCGEOLMJE418	0 - 0 - 4	2	30		15	20	35							
Paleobiology - I	Option J	MSCGEOLMJE419	4 - 0 - 0	4	30	15	20	35								
Paleobiology - II	Option J	MSCGEOLMJE420	0 - 0 - 4	2	30		15	20	35							
Vertebrate Paleontology - I	Option K	MSCGEOLMJE421	4 - 0 - 0	4	30	15	20	35								
Vertebrate Paleontology - II	Option K	MSCGEOLMJE422	0 - 0 - 4	2	30		15	20	35							
98															1450	
Minor Elective																
MSC	GEOLOGY	MSCGEOL	II	Remote Sensing and GIS		MSCGEOLMIEZ01	MIE-1	4 - 0 - 0	4	NA		15		35	50	
			III	Literature Review and Colloquium		MSCGEOLMIE301	MIE-2	4 - 0 - 0	4	NA		15		35	50	