

ANNEXURE M. Sc. Geology

Equivalence of Syllabus / papers between CBS & CBCS syllabus for desirous students (CBS Pattern students (introduced in the Year 2012-2013) in CBCS Pattern (introduced in the year 2015-16 at M.Sc Semester I and II and in the year 2016-17, at M.Sc. Semester –III and Semester IV

If the candidate has failed in any of the papers mentioned below (As described in Point no. 22 'b', 'c', 'd', and 'e')						Then, the candidate shall appear and clear the paper shown in the respective row as equivalent paper						
M.Sc. Geology CBS Pattern : Semester -I						M.Sc. Geology Choice Based Credit System (CBCS)						
S. No.	Code No.	Paper	Name of Paper	Total Marks	Credits	Equivalence To	Sem	Code No.	Paper	Name of Paper	Total Marks	Credits
01		Paper I	Mineralogy and Crystallography (3+1)	100	4		I	1T1		Mineralogy and Crystallography (3+1)	80+ 20	4
02		Paper II	Igneous Petrology (4)	100	4		I	1T2		Igneous Petrology (4)	80+20	4
03		Paper III	Metamorphic Petrology and Precambrian Geology (3+1)	100	4		I	1T3		Metamorphic Petrology and Geological Mapping (3+1)	80+20	4
04		Paper IV	Stratigraphy and Indian Geology (2+2)	100	4		I	1T4		Stratigraphy and Indian Geology (2+2)	80+20	4
05		Practical I	Mineralogy, Crystallography, Igneous Petrology	80+ 20	4		I	1P1		Mineralogy, Crystallography, Igneous Petrology	100	4
06	:	Practical II	Metamorphic Petrology and Stratigraphy	80+20	4		I	1P2		Metamorphic Petrology, Geological Mapping and Stratigraphy	100	4
07		Seminar-I		25	1		I	1S1		Seminar-I	25	1
M.Sc. Geology CBS Pattern : Semester -II						M.Sc. Geology Choice Based Credit System (CBCS)						
S. No.	Code No.	Paper	Name of Paper	Total Marks	Credits	Equivalence To	Sem	Code No.	Paper	Name of Paper	Total Marks	Credits
01		Paper I	Sedimentology, Geostatistics and Computer Application in Geology	100	4		II	2T1		Sedimentology, Geostatistics and Computer Application in	80+20	4

			(3+1)						Geology (3+1)			
02		Paper II	Paleontology and Applied Paleobiology (3+1)	100	4			II	2T2	Paleontology and Applied Paleobiology (3+1)	80+20	4
03		Paper III	Geochemistry & Instrumentation Techniques (3+1)	100	4			II	2T3	Geochemistry & Instrumentation Techniques (3+1)	80+20	4
04		Paper IV	Structural Geology, Geodynamics & Tectonics (3+1)	100	4			II	2T4	Structural Geology, Geodynamics & Tectonics (3+1)	80+20	4
05		Practical I	Sedimentology, Geostatistics, Computer Application in Geology, Paleontology and Applied Paleobiology	80+20	4			II	2P1	Sedimentology, Geostatistics, Computer Application in Geology, Paleontology and Applied Paleobiology	100	4
06		Practical II	Geochemistry, Structural Geology and Geological Field Work and Mapping	80+20	4			II	2P2	Geochemistry, Structural Geology, Geological Field Work and Mapping	100	4
07		Seminar-II	-----	25	1			II	2S1	Seminar-II	25	1
M.Sc. Geology CBS Pattern : Semester -III						M.Sc. Geology Choice Based Credit System (CBCS)						
S. No.	Code No.	Paper	Name of Paper	Total Marks	Credits	Equivalence To	Sem	Code No.	Paper	Name of Paper	Total Marks	Credits
01		Paper I	Fuel Geology (Coal, Petroleum and Nuclear) (2+1+1)	100	4		IV	4T4(1)		Fuel Geology (Coal, Petroleum and Nuclear) (2+1+1) (Semester IV)	80+20	4
02		Paper II	Environmental Geology and Engineering Geology (2 + 2)	100	4		III	3T4(1)		Environmental Geology and Engineering Geology (2 + 2)	80+20	4
03		Paper III	Geomorphology, Remote Sensing and GIS (1+2+1)	100	4		III	3T2		Geomorphology, Remote Sensing and GIS (1+2+1)	80+20	4
04		Paper IV	Hydrogeology & Watershed Management (3+1)	100	4		III	3T1		Hydrogeology & Watershed Management (3+1)	80+20	4

05		Practical I	Fuel Geology, Environmental Geology & Engineering Geology	80+20	4		3P2		Based on Paper 3T3 (Core Elective 1 Mining Geology and Mineral Exploration / Applied & Industrial Micropaleontology / Petroleum Exploration) and Environmental Geology & Engineering Geology	100	4	
06		Practical II	Geomorphology, Remote Sensing, GIS, Hydrogeology & Watershed Management	80+20	4		3P1		Hydrogeology & Watershed Management, Geomorphology, Remote Sensing & GIS	100	4	
07		Seminar-III		25	1		3S1		Seminar-III	25	1	
M.Sc. Geology CBS Pattern : Semester -IV						M.Sc. Geology Choice Based Credit System (CBCS)						
S. No.	Code No.	Paper	Name of Paper	Total Marks	Credits	Equivalence To	Sem	Code No.	Paper	Name of Paper	Total Marks	Credits
01		Paper I	Ore Geology and Ore Microscopy (3+1)	100	4		IV	4T1		Ore Geology and Ore Microscopy (3+1)	80+20	4
02		Paper II	Indian Mineral Deposits and Mineral Economics (3+1)	100	4		IV	4T2		Indian Mineral Deposits and Mineral Economics (3+1)	80+20	4
03		Paper III	Mining Geology & Mineral Exploration (1+3)	100	4		III	3T3(1)		Mining Geology & Mineral Exploration (1+3) (Semester III)	80+20	4
04		Paper IV	Optional (Any one) 1) Exploration Geochemistry (4)	100	4		IV	4T3(1)		Optional (Any one) 1) Exploration Geochemistry (4)	80+20	4
05		Paper IV	2) Applied and Industrial Micropaleontology (4)	100	4		III	3T3(2)		2) Applied and Industrial Micropaleontology (4) (Semester III)	80+20	4
06		Paper IV	3) Petroleum Exploration (4)	100	4		III	3T3(3)		3) Petroleum Exploration (4) (Semester III)	80+20	4

