

**Table-I: Certificate Course (Geology)–Exit after First Academic Year
(One Academic year: First & Second Semester and Summer/Vocational Course)**

Semester	Core-I	Core-II	Core-III	Multidisciplinary	AEC	SEC	VAC	Community Engagements & Services/Field Work/Internship	Total Minimum Credit
I	Paper-I General Geology	Paper-I General Geology		Oceanography	Odia/Hindi /Sanskrit/Urdu/ English		Environmental Studies and Disaster Management		22
	Paper-II Historical Geology								
II	Paper-III Crystallography		Paper-III Crystallography	Climatology	English	Monitoring Soil Quality			22
	Paper-IV Mineralogy & Mineral Optics								
Total	4X4=16	1x4=4	1x4=4	2x3=6	2x4=8	1x3=3	1x3=3		44
Vocational course (4 credits): Geological Mapping and Cartography/Exporting Geochemistry									

