

Kazi Nazrul University



Curriculum for B.Sc. (Hons.) In Geology

**Six Semester Course Under
Choice Based Credit System**

YEAR	SEMESTER	CORE COURSE (14)	ABILITY ENHANCEMENT COURSE (2)	SKILL ENHANCEMENT COURSE (3)	DISCIPLINE SPECIFIC ELECTIVE (DSE) (4)	GENERIC ELECTIVE (GE) (4)
FIRST YEAR	I	1. EARTH SYSTEM SCIENCE 2. MINERAL SCIENCE	ENVIRONMENTAL SCIENCE			GE-1
	II	3. ELEMENTS OF GEOCHEMISTRY 4. STRUCTURAL GEOLOGY	COMMUNICATIVE ENGLISH			GE-2
SECOND YEAR	III	5. IGNEOUS PETROLOGY 6. SEDIMENTOLOGY 7. PALEONTOLOGY		SEC-I (Field Work)		GE-3
	IV	8. METAMORPHIC PETROLOGY 9. STRATIGRAPHIC PRINCIPLES AND INDIAN STRATIGRAPHY 10. HYDROGEOLOGY		SEC-II (Field Work)		GE-4
THIRD YEAR	V	11. ECONOMIC GEOLOGY 12. FUEL GEOLOGY			DSE - 1 DSE - 2	
	VI	13. ENGINEERING GEOLOGY 14. REMOTE SENSING AND GIS			DSE - 3 DSE - 4	

SEMESTER	COURSE OPTED	COURSE NAME	CREDIT
I	Ability Enhancement: compulsory course - I	Environmental Science	4
	Core Course - I	Earth System Science	4
		Practical	2
	Core Course - II	Mineral Science	4
		Practical	2
	Generic Elective - I	GE - I	6
Total Credit			22
SEMESTER	COURSE OPTED	COURSE NAME	CREDIT
II	Ability Enhancement: compulsory course - II	Communicative English	2
	Core Course - III	Elements of Geochemistry	4
		Practical	2
	Core Course - IV	Structural Geology	4
		Practical	2
	Generic Elective - II	GE - II	6
Total Credit			20
SEMESTER	COURSE OPTED	COURSE NAME	CREDIT
III	Core Course - V	Igneous Petrology	4
		Practical	2
	Core Course - VI	Sedimentology	4
		Practical	2
	Core Course - VII	Paleontology	4
		Practical	2
	Generic Elective - III	GE - III	6
	Skill Enhancement Course - I	Field Work	2
Total Credit			26
SEMESTER	COURSE OPTED	COURSE NAME	CREDIT
IV	Core Course - VIII	Metamorphic Petrology	4
		Practical	2
	Core Course - IX	Stratigraphic Principles and Indian Stratigraphy	4
		Practical	2
	Core Course - X	Hydrogeology	4
		Practical	2
Generic Elective - IV	GE - IV	6	

	Skill Enhancement Course - II	Field Work	2
	Total Credit		26
SEMESTER	COURSE OPTED	COURSE NAME	CREDIT
V	Core Course - XI	Economic Geology	4
		Practical	2
	Core Course - XII	Fuel Geology	4
		Practical	2
	Discipline Specific Elective - I	DSE - I	4
		Practical	2
	Discipline Specific Elective - II	DSE - II	4
		Practical	2
Total Credit			24
SEMESTER	COURSE OPTED	COURSE NAME	CREDIT
VI	Core Course - XIII	Engineering Geology	4
		Practical	2
	Core Course - XIV	Remote Sensing & GIS	4
		Practical	2
	Discipline Specific Elective - III	DSE - III	4
		Practical	2
	Discipline Specific Elective - IV	DSE - IV	4
		Practical	2
Total Credit			24
Grand Total of Credits in Six Semesters			142