

Teaching Plan for the Session 2025–26**Name of the Teacher:** Sorat Konwar**Department:** Geology**Institution:** Jagannath Barooah University

Class/Semester	Title & Code of The Paper Allotted (Credit)	Method of Teaching	Teaching Material	Unit	Topic	Period/Hours Required	Details of the Contents	Remarks/Books
I (Odd)	GEOMJ-011 (Unit 5)	Lecture, Demonstration, Practical	Chalk & Board, PPT, Specimens, Field Tools, Maps	Unit 5	Topic 5	6–10 hours	Details of Unit 5 from GEOMJ-011 syllabus	Refer prescribed syllabus books
I (Odd)	GEOMI-011 (Unit 5)	Lecture, Demonstration, Practical	Chalk & Board, PPT, Specimens, Field Tools, Maps	Unit 5	Topic 5	6–10 hours	Details of Unit 5 from GEOMI-011 syllabus	Refer prescribed syllabus books
I (Odd)	GEOSK-011 (ALL)	Lecture, Demonstration, Practical	Lab Instruments, Field Equipment, Reports	Unit 1	Topic 1	6–10 hours	All practical components of GEOSK-011 syllabus	SEC Practical Materials
II (Even)	GEOMJ-021 (Unit 2)	Lecture, Demonstration, Practical	PPT, Charts, Rock Samples	Unit 2	Topic 2	6–10 hours	Details of Unit 2 from GEOMJ-021 syllabus	Refer prescribed syllabus books
II (Even)	GEOMI-021 (Unit 2)	Lecture, Demonstration, Practical	PPT, Charts, Rock Samples	Unit 2	Topic 2	6–10 hours	Details of Unit 2 from GEOMI-021 syllabus	Refer prescribed syllabus books

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II (Even)	GEOSK-021 (Unit 1)	Practical	Soil & Water Testing Kits	Unit 1	Topic 1	6–10 hours	Land surveying, mapping, contouring	SEC Practical Materials
III (Odd)	GEOMJ-031 (ALL)	Lecture, Demonstration, Practical	Crystals, Models, Petrographic Microscope	Unit 1–5	Topics 1–5	30–50 hours	Full syllabus coverage: Crystallography to Rock Min.	Klein & Dutrow, Kerr
III (Odd)	GEOMI-031 (Unit 1 & 2)	Lecture, Demonstration, Practical	Microscope, Thin Sections	Unit 1–2	Topics 1–2	12–15 hours	Optical Mineralogy, Rock-forming Minerals	Klein & Philpotts
III (Odd)	GEOSK-031 (Unit 1)	Practical	Soil/Water Tools, Map Sets	Unit 1	Topic 1	6–10 hours	Soil and water survey techniques	SEC Practical Materials
IV (Even)	GEOMJ-042 (ALL)	Lecture, Demonstration, Practical	Rock Thin Sections, Slides	Unit 1–5	Topics 1–5	30–45 hours	Sediment transport, structures, diagenesis	Prothero & Schwab, Tucker
V (Odd)	GEOMJ-052 (ALL)	Lecture, Demonstration, Practical	Stratigraphic Maps, Charts	Unit 1–5	Topics 1–5	30–45 hours	Stratigraphy of India, Precambrian to Cenozoic	Krishnan, Ramakrishnan & Vaidyanadhan
VI (Even)	GEOMJ-063 (ALL)	Lecture, Demonstration, Practical	GIS Tools, Satellite Images, Thematic Maps	Unit 1–5	Topics 1–5	30–45 hours	Remote Sensing & GIS in Geosciences	Lillesand & Kiefer, Sabins