

Semester Lecture Plan

Name of the college: Government College of Arts, Science & Commerce, Sanquelim, Goa-India

Name of Faculty: Delia Cardozo

Subject: Geology

Paper code: GEO 323

Program/Course: TY B.Sc.

Division:

Academic year: 2025- 2026

Semester: VI

Total Lectures: 06

The objectives of this course are to:

1. Discuss the geological history of India, from the Archean era to the Quaternary period. CL2
2. Describe the different stratigraphic Groups and Formations of India. CL2
3. Associate the importance of stratigraphy in mineral and hydrocarbon exploration. CL2
4. Investigate the geology of an area. CL3

Course Learning Outcome:

At the end of the course the student will be able to:

1. Infer the geological history and environment of deposition based on lithological characters. CL3
2. Classify various rock sequences in Groups and Formations. CL3
3. Correlate stratigraphy and occurrence of mineral deposits CL4
4. Prepare a geological field report of an area. CL5

Month	Lectures From:	Lectures To:	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
December	01/12/2025	06/12/2025	01	Physiographic and Tectonic divisions of India		Smartboard, PPT, Videos, Flipped Classroom	1. Ramakrishnan, M., and Vaidyanadhan, R. (2010). Geology of India (vol. 1). GSI Publications.
	08/12/2025	13/12/2025	02				
	15/12/2025	20/12/2025	01				

	22/12/2025	23/12/2025	01	Shields, cratons and mobile belts of Peninsular India.		
January	02/01/2026	05/01/2026	01			

**(On Study Leave from 6th January 2026)*

*** Assessment Rubrics**

Component	Max Marks
ISA 1	7.5
ISA 2	7.5
Practical	25
Project	--
Semester End Exam	60