

Semester Practical Plan

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

Name of Faculty: Delia Cardozo

Subject: Geology

Paper code: GEO 100

Program/Course: FY B.Sc.

Division:

Academic year: 2025- 2026

Semester: II

Total Lectures: 03

The objectives of this course are to:

1. Discuss the origin, shape, and size of the Earth. CL2
2. Explain the concepts of continental drift and plate tectonics. CL2
3. Demonstrate the symmetry in crystals. CL2
4. Describe minerals and rocks using physical properties. CL2

Course Learning Outcome:

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

1. Differentiate the layers of the Earth based on their structure and composition. CL2
2. Identify minerals based on their physical properties. CL3
3. Deduce the symmetry of crystals. CL4
4. Categorize rocks based on their properties. CL4

Month	Lectures From:	Lectures To:	No. of practicals allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
December	01/12/2025	06/12/2025	01	Identification and description of the physical properties, compositions, occurrence and uses of 10 common minerals.		Smartboard, PPT, Videos, Flipped Classroom	1. Berry and Mason: Mineralogy. CBS Publ. and Distr. 2. Deer, W. A., Howie, R. A., & Zussman, J. (1978). Rock-forming
	08/12/2025	13/12/2025	01				

	15/12/2025	20/12/2025	00	Holiday (ZP Elections)		minerals: Feldspars, Volume 4A. Geological Society of London. 3. Klein, C., & Hurlbut, C. S. Jr. (2021). Dana manual of mineralogy. Wiley. 4. Perkins, D. (2013). Mineralogy: Pearson Higher Ed. 5. Rutley, F. (2012). Rutley's Elements of Mineralogy. Springer Science & Business Media.
	22/12/2025	23/12/2025	00	Christmas Break		
January	02/01/2026	05/01/2026	01	Identification and description of the physical properties, compositions, occurrence and uses of 10 common minerals.		

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

*** Assessment Rubrics**

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