

## Semester Practical Plan

<b>Name of the college:</b> Government College of Arts, Science & Commerce, Sanquelim, Goa-India												
<b>Name of Faculty:</b> Delia Cardozo			<b>Subject:</b> Geology									
<b>Paper code:</b> GEO 100			<b>Program/Course:</b> FY B.Sc.			<b>Division:</b>						
<b>Academic year:</b> 2025- 2026			<b>Semester:</b> II			<b>Total Lectures:</b> 03						
<p><b>The objectives of this course are to:</b></p> <ol style="list-style-type: none"> <li>1. Discuss the origin, shape, and size of the Earth. CL2</li> <li>2. Explain the concepts of continental drift and plate tectonics. CL2</li> <li>3. Demonstrate the symmetry in crystals. CL2</li> <li>4. Describe minerals and rocks using physical properties. CL2</li> </ol>												
<p><b>Course Learning Outcome:</b></p> <p>At the end of the course the student will be able to:</p> <ol style="list-style-type: none"> <li>1. Differentiate the layers of the Earth based on their structure and composition. CL2</li> <li>2. Identify minerals based on their physical properties. CL3</li> <li>3. Deduce the symmetry of crystals. CL4</li> <li>4. Categorize rocks based on their properties. CL4</li> </ol>												
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 6<sup>th</sup> January 2026)*

\* Assessment Rubrics

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