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 202	**Program/Course: SY B.Sc.**	**Division:**
Academic year: 2025- 2026	**Semester: IV**	**Total Lectures: 03**

The objectives of this course are to:
1. Explain the binary systems and their applications to magmatic textures and processes CL2
2. Discuss different mineral groups. CL2
3. Identify minerals megascopically. CL2
4. Demonstrate mineral chemical calculations. CL2

Course Learning Outcome:
At the end of the course the student will be able to:
1. Compare the working of various binary systems and their applications to magmatic textures and processes. CL2
2. Distinguish between different minerals/mineral groups. CL2
3. Identify minerals based on their physical properties. CL3
4. Calculate mineral formula. CL3

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 20 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 (Goa Liberation Day)**			**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	--