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 202	**Program/Course: SY 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 lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
December	01/12/2025	06/12/2025	01	Introduction to Geology; Applications and Career opportunities in Geosciences.		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 minerals: Feldspars, Volume 4A.
	08/12/2025	13/12/2025	01	Introduction to Planetary Geology, Origin of the earth: Nebular Hypothesis;			

	15/12/2025	**20/12/2025**	**00**	**Tarang**			**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**	**01**	**Nebular Hypothesis**			
January	**02/01/2026**	**05/01/2026**	**01**	**Shape, Size, Structure of the earth**			

(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