

Practical Plan

Name of the college: Government College of Arts, Science & Commerce, Sanquelim Goa				
Name of Faculty: Mr. Vishal R. Gaonkar		Subject: Geography		
Paper code: GOS100 – Foundation in Physical Geography		Program/Course: FYBA - Major		Division:
Academic year: 2024- 2025		Semester: II		Total Practical/Labs: 1 practical (2hrs) Per Week
Course Objectives: To equip students with the skills necessary for spatial analysis, critical thinking, and scientific inquiry in physical geography.				
Expected Course Outcomes: Identify and distinguish between different types of rocks and minerals and Create contour diagrams to understand various landforms.				
Course Learning Outcome: Students will develop the ability to know the about the rocks and minerals.				
Month	Practical/ Labs Scheduled Date	No. of Practical's/ Labs Planned	List of Experiments	Reference books
December	14/12/2024	02	Introduction to Rocks and Minerals Definition and importance of rocks and minerals	Elements of Practical Geography – R.L. Singh
December	21/12/2024	02	The rock cycle and mineral formation processes	Elements of Practical Geography – R.L. Singh
January	04/01/2025	02	Geological time scale and rock formations	Elements of Practical Geography – R.L. Singh
January	11/01/2025	02	Minerals: Properties and Identification Physical properties of minerals (e.g., color, luster, hardness, cleavage, streak)	Elements of Practical Geography – R.L. Singh
January	18/01/2025	02	Minerals: Properties and Identification Physical properties of minerals (e.g., color, luster, hardness, cleavage, streak)	Elements of Practical Geography – R.L. Singh

January	25/01/2025	02	Mineral identification techniques (e.g., observation, streak testing, hardness testing)	Elements of Practical Geography – R.L. Singh
February	01/02/2025	02	Mineral identification techniques (e.g., observation, streak testing, hardness testing)	Elements of Practical Geography – R.L. Singh
February	08/02/2025	02	Mineral identification techniques (e.g., observation, streak testing, hardness testing)	Elements of Practical Geography – R.L. Singh
February	15/02/2025	02	Hands-on activities for rock and mineral identification: iron ore, bauxite ore, manganese, granite, basalt, limestone, sandstone, quartzite, and marble	Elements of Practical Geography – R.L. Singh
February	22/03/2025	02	Common minerals and their characteristics	Elements of Practical Geography – R.L. Singh
March	01/03/2025	02	Methods of Representation of Relief features Spot heights, Bench Marks, Hachures, Hill shading	Elements of Practical Geography – R.L. Singh
March	08/03/2025	02	Methods of Representation of Relief features Spot heights, Bench Marks, Hachures, Hill shading	Elements of Practical Geography – R.L. Singh
March	15/03/2025	02	Contours diagrams – hills, plateaus, mesa, cliff,	Elements of Practical Geography – R.L. Singh
March	22/04/2025	02	Contours diagrams V-shaped valley, waterfall, escarpment, spur,	Elements of Practical Geography – R.L. Singh
March	29/03/2025	02	Contours diagrams –, U-shaped valley, Hanging Valley, Volcano	Elements of Practical Geography – R.L. Singh

