

		Semester Practical Plan					
Name of the college: Government College of Arts, Science & Commerce, Sanquelim, Goa-India							
Name of Faculty: Brahmanand N Sawant				Subject: Geology			
Paper code: GEO300- ORE GENESIS				Program/Course: Ty B.Sc.		Division:	
Academic year: 2026 - 2027				Semester: V		Total Practicals : 15	
Course Objectives: 1. Students will istinguish the ores based on their physical properties and plate tectonic environments2. Students will describe the ore forming process							
Course Learning Outcome: 1. Students will explain the ore forming process. 2. Students will be able to identify the ore minerals in hand specimens and under the microscope							
Month	Lectures From: To:		No. of lectures allotted	Topic, Subtopic to be covered	ICT Tools	Reference books	
JUNE	22/06/2026	27/6/2026	01	Megascopic identification of economic minerals	PPT	Economic Mineral Deposits by Alan Bateman	
				Hematite, Magnetite			
	29/6/2026	04/7/2026	01	Megascopic identification of economic minerals	Powerpoint Presentation		
				Limonite, Goethite			
				Baryte			
				Quartz			
	6/7/2026	11/7/2026	1	Megascopic identification of economic minerals	Powerpoint presentation	Economic Mineral Deposits by Alan Bateman	
			Pyrite, Chalcopyrite				

				Garnet, Corundum		
JULY/AUGUST	13/7/2026	18/7/2026	01	Megascopic identification of economic minerals Beryl, Galena	PPT	Economic Mineral Deposits by Alan Bateman
	20/7/2026	25/7/2026	01	Megascopic identification of economic minerals Orthoclase, Biotite	PPT	
	27/7/2026	1/8/2026	01	Megascopic identification of economic minerals Asbestos, Psilomelane	PPT	
	3/8/2026	08/8/2026	01	Megascopic identification of economic minerals Pyrolusite, Wad, Realgar	PPT	
	10/8/2026	15/8/2026	01	Megascopic identification of economic minerals Orpiment, Talc, Gypsum	PPT	

August/ September	17/8/2026	22/8/2026	01	Megascopic identification of economic minerals Tourmaline, Calcite,	PPT	
	24/08/2026	29/8/2026	01	Megascopic identification of economic minerals Magnetite, Magnesite	PPT	
	31/8/2026	5/09/2026	01	Megascopic identification of economic minerals Bauxite, Sphalerite, Azurite	PPT	
September	7/09/2026	12/09/2026	01	Distribution of mineral deposits in India Iron and Manganese	PPT	
September	21/09/2026	26/09/2026	01	Distribution of mineral deposits in India Copper Lead Zinc	PPT	Economic Mineral Deposits by Alan Bateman

October	28/09/2026	3/10/2026	01	Analysis of 5 ore minerals under microscope	PPT	Economic Mineral Deposits by Alan Bateman
October	5/10/2026	10/10/2026	01	Revision	PPT	Economic Mineral Deposits by Alan Bateman

COMPONENT	MAXIMUM MARKS
ISA I	7.5
ISA II	7.5
ISA III	7.5
PRACTICAL	25
SEMESTER END EXAM	60
TOTAL	100