

		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: 2025 - 2026				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	18/06/2025	28/6/2025	01	Megascopic identification of economic minerals Hematite, Magnetite	PPT	Economic Mineral Deposits by Alan Bateman		
	30/6/2025	05/7/2025	01	Megascopic identification of economic minerals Limonite, Goethite Baryte Quartz	Powerpoint Presentation			
	7/7/2025	12/7/2025	1	Megascopic identification of economic minerals Pyrite, Chalcopyrite	Powerpoint presentation			Economic Mineral Deposits by Alan Bateman

				Garnet, Corundum		
JULY/AUGUST	14/7/2025	19/7/2025	01	Megascopic identification of economic minerals Beryl, Galena	PPT	Economic Mineral Deposits by Alan Bateman
	21/7/2025	26/7/2025	01	Megascopic identification of economic minerals Orthoclase, Biotite	PPT	
	28/7/2025	2/8/2025	01	Megascopic identification of economic minerals Asbestos, Psilomelane	PPT	
	4/8/2025	09/8/2025	01	Megascopic identification of economic minerals Pyrolusite, Wad, Realgar	PPT	
	11/8/2025	16/8/2025	01	Megascopic identification of economic minerals Orpiment, Talc, Gypsum	PPT	

August/ September	18/8/2025	23/8/2025	01	Megascopic identification of economic minerals Tourmaline, Calcite,	PPT	
	25/08/2025	06/9/2025	01	Megascopic identification of economic minerals Magnetite, Magnesite	PPT	
	8/9/2024	13/09/2025	01	Megascopic identification of economic minerals Bauxite, Sphalerite, Azurite	PPT	
September	15/09/2025	20/09/2025	01	Distribution of mineral deposits in India Iron and Manganese	PPT	
September	22/09/2025	27/09/2025	01	Distribution of mineral deposits in India Copper Lead Zinc	PPT	Economic Mineral Deposits by Alan Bateman

				Analysis of 5 ore minerals under microscope		
October	29/09/2025	4/10/2025	01		PPT	Economic Mineral Deposits by Alan Bateman
				Revision		
October	6/10/2025	11/10/2025	01		PPT	Economic Mineral Deposits by Alan Bateman
October	13/10/2025	18/10/2025	01	Revision	PPT	
COMPONENT		MAXIMUM MARKS				
ISA I		7.5				
ISA II		7.5				
ISA III		7.5				
PRACTICAL		25				
SEMESTER END EXAM		60				
TOTAL		100				