	Practical Plan				
Name of the college: Government Colleg	e of Arts, Science & Commerce, Sanquelim				
Name of Faculty: Shritesh Mhapsekar	Subject: Geology				
Paper code: GEO 241	Program: SY BSc	Division:			
Academic year: 2024 - 2025	Semester: III	Total Practicals/Labs: 15			
Credits: 2					
Course Objectives: 1. Discuss the occurrence of minerals in rocks and the processes involved in their formation. CL2 2. Describe the natural, synthetic, and organic gemstones. CL2 3. Describe the physical and optical properties of crystals and gemstones. CL1.					
Course Learning Outcome: 1. Explain the Physical and optical properties of crystals/gemstones. CL2 2. Examine imperfections in crystals and gemstones. CL3 3. Identify crystals and gemstones.CL3					
Student Learning					
Outcome:					

Month	Practicals/ Labs Scheduled Date	No. of Practicals/Labs planned	List of Experiments	Reference books
July	4-7-24	1	Study of crystal models and minerals	Dana's Manual of Mineralogy
	11-7-24	2	Study of crystal models and minerals	Rutley's Elements of Mineralogy
	18-7-24	3	Study of crystal models and minerals	
	25-7-24	4	Study of crystal models and minerals	
	1-8-24	5	Study of crystal models and minerals	
	8-8-24	6	Study of crystal models and minerals	
	22-8-24	7	Study of crystal models and minerals	
August	29-8-24	8	Study of crystal models and minerals	
Septem ber	5-9-24	10	Description & Identification of cuts in gemstones	Read, P. G., (1991). Gemmology
	19-9-24	11	Identification of gemstones using Dichroscope, Polariscope, Spectroscope, Refractometer, Ultra Violet lamp, Gemological Microscope.	Read, P. G., (1991). Gemmology
	26-9-24	12	Identification of gemstones using Dichroscope, Polariscope, Spectroscope, Refractometer, Ultra Violet lamp, Gemological Microscope.	Read, P. G., (1991). Gemmology
	3-10-24	13	Identification of gemstones using Dichroscope, Polariscope, Spectroscope, Refractometer, Ultra Violet lamp, Gemological Microscope.	Read, P. G., (1991). Gemmology
	10-10-24	14	Identification of gemstones using Dichroscope, Polariscope, Spectroscope, Refractometer, Ultra Violet lamp, Gemological Microscope.	Read, P. G., (1991). Gemmology
October	17-10-24	15	Practical Exam	

Component		Max Marks
	ISA 1	5
Theory	ISA 2	5
	ISA 1	5
	ISA 2	5
Practical	ISA 3	5
Project	-	-
Semester End Exam	Theory	20
	Practical	40

Assessment Rubrics