

Semester Practical Plan										
<b>Name of the college:</b> Government College of Arts, Science & Commerce, Sanquelim, Goa-India										
<b>Name of Faculty:</b> Brahmanand N Sawant			<b>Subject:</b> Geology							
<b>Paper code:</b> GEO304- SEDIMENTARY PETROLOGY -I			<b>Program/Course:</b> TY B.Sc.		<b>Division:</b>					
<b>Academic year:</b> 2025 - 2026			<b>Semester:</b> VI		<b>Total Practicals:</b> 15					
<b>Course Objectives:</b> Explain the sedimentary processes and diagenesis. Describe the textures and structures of sedimentary rocks. Discuss the sedimentary depositional environments.										
<b>Course Learning Outcome:</b> Interpret the depositional environments based on types of sedimentary rocks. 2. Identify sedimentary rocks based on textures and structures. 3. Deduce the provenance of sediment based on grain size and grain size parameters. 4. Explain the economic importance of sedimentary rocks.										
Month	Lectures From:		No. of lectures allotted	Topic, Subtopic to be covered	ICT Tools	Reference books				
Dec	1/12/2025	6/12/2025	01	Megascopic identification of sedimentary rocks Shale	PPT	Sedimentary rocks by F, J pettijoh;				
	8/12/2025	13/12/2025	01	Megascopic identification of sedimentary rocks Conglomerate, Breccia	Powerpoint Presentation	Introduction to sedimentary rocks by				

						Maurice E Tucker
	15/12/2025	20/12/2025		Megascopic identification of sedimentary rocks Limestone, Fossiliferous limestone	Powerpoint presentation	Sedimentary rocks by F, J pettijoh;  Introduction to sedimentary rocks by Maurice E Tucker
Jan/Feb	2/01/2026	10/01/2026	01	Megascopic identification of sedimentary rocks Residual rocks	PPT	Sedimentary rocks by F, J pettijohn;  Introduction to sedimentary rocks by Maurice E Tucker
	12/01/2026	17/01/2026	01	Megascopic identification of sedimentary rocks Bauxite and laterites	PPT	
	19/01/2026	24/01/2026	01	Megascopic identification of sedimentary rocks Sandstones and grits	PPT	
	26/01/2025	31/01/2026	01	Megascopic identification of sedimentary rocks Siliceous sandstone Ferruginous sandstones	PPT	

	2/02/2026	7/02/2026	01	Megascopic identification of sedimentary rocks	PPT	
	9/02/2026	14/02/2025	01	Microscopic identification of sedimentary rocks  Sandstones	PPT	
	16/02/2026	21/02/2026	01	Microscopic identification of sedimentary rocks	PPT	
Feb/March	23/02/2025	28/02/2026	01	Microscopic identification of sedimentary rocks	PPT	
March	2/03/2026	7/03/2026	01	Microscopic identification of sedimentary rocks	PPT	Sedimentary rocks by F, J pettijohn;  Introduction to sedimentary rocks by Maurice E Tucker

				Problems on sphericity and roundness		Sedimentary rocks by F, J pettijohn;  Introduction to sedimentary rocks by Maurice E Tucker
March	9/03/2026	14/03/2026	01	PPT		
March	16/03/2026	21/03/2026	01	Problems on sphericity and roundness	PPT	Sedimentary rocks by F, J pettijohn;  Introduction to sedimentary rocks by Maurice E Tucker
March	23/4/2026	31/3/2026	01	Problems on sphericity and roundness	PPT	

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