			1	Semester Lecture Plan				
Name of	the college: Gov	ernment College	of Arts Scie	nce & Commerce, Sanque	lim Goa-India			
varie or	the conege. Gov	Criment Conege (or ritts, bele	ance & Commerce, Banque	mii, Goa maia			
Name of	Faculty: Brahma	anand N Sawant		Subject: Geology				
Paper co PETROL	ode: GEC108- SE	EDIMENTARY		Program/Course: TY B.Sc.		Division:	Division	
PEIROL				rrogram/Course: 111	5.5 C.	Division:		
Academi	ic year: 2024 - 20)25		Semester: VI		Total Lect	ures: 60	
Course (Objectives: To un	nderstand the form	nation of var	ious sedimentary rocks, th	eir distribution a	and mode of forma	tion and to descril	
economic	c minerals associa	ated with it.						
Course I	Lagraina Outcon	no. To understand	Inhygical ch	amical and biological pro	cassas that ganat	ota cadimante		
				emical and biological pro			ne environments o	
Discuss t	the various sedime	entary rocks, their	mode of for	emical and biological pro mation, classification and sitional structures.			ne environments o	
Discuss t	the various sedime	entary rocks, their	mode of for nents & depo	mation, classification and			ne environments o	
Discuss t depositio	the various sediments on from the study	entary rocks, their	nents & depo	mation, classification and	occurrence in na		ne environments o	
Discuss t	the various sediments on from the study	entary rocks, their of nature of sedim	nents & depo No. of lectures	mation, classification and sitional structures.		nture, to interpret the	ne environments o	
Discuss t depositio	the various sediments on from the study of the Lee	entary rocks, their of nature of sedim	nents & depo	mation, classification and sitional structures. Topic, Subtopic to be	occurrence in na	Reference	ne environments o	
Discuss t depositio	Lee From:	entary rocks, their of nature of sedim ctures To:	No. of lectures allotted	mation, classification and sitional structures. Topic, Subtopic to be covered Introduction to this paper and syllabus	ICT Tools	Reference books	ne environments o	
Discuss t depositio	Lee From:	entary rocks, their of nature of sedim ctures To:	No. of lectures allotted	mation, classification and sitional structures. Topic, Subtopic to be covered Introduction to this	ICT Tools	Reference books Sedimentary	ne environments o	
Discuss t depositio	Lee From:	entary rocks, their of nature of sedim ctures To:	No. of lectures allotted	mation, classification and sitional structures. Topic, Subtopic to be covered Introduction to this paper and syllabus	ICT Tools	Reference books Sedimentary rocks by F, J	ne environments o	
Discuss t depositio	Lee From:	entary rocks, their of nature of sedim ctures To:	No. of lectures allotted	mation, classification and sitional structures. Topic, Subtopic to be covered Introduction to this paper and syllabus	ICT Tools PPT Powerpoint	Reference books Sedimentary	ne environments o	
Discuss t depositio	Lee From: 09/12/2024	ctures 14/12/2024	No. of lectures allotted	mation, classification and sitional structures. Topic, Subtopic to be covered Introduction to this paper and syllabus discussion Sedimentary processes	ICT Tools PPT	Reference books Sedimentary rocks by F, J pettijoh;	ne environments o	
Discuss t deposition Month	Lee From: 09/12/2024	ctures 14/12/2024	No. of lectures allotted	Topic, Subtopic to be covered Introduction to this paper and syllabus discussion Sedimentary processes Diagenesis of	ICT Tools PPT Powerpoint	Reference books Sedimentary rocks by F, J pettijoh; Introduction	ne environments o	
Discuss t deposition Month	Lee From: 09/12/2024	ctures 14/12/2024	No. of lectures allotted	mation, classification and sitional structures. Topic, Subtopic to be covered Introduction to this paper and syllabus discussion Sedimentary processes	ICT Tools PPT Powerpoint	Reference books Sedimentary rocks by F, J pettijoh; Introduction to	ne environments o	
Discuss t deposition Month	Lee From: 09/12/2024	ctures 14/12/2024	No. of lectures allotted	Topic, Subtopic to be covered Introduction to this paper and syllabus discussion Sedimentary processes Diagenesis of	ICT Tools PPT Powerpoint	Reference books Sedimentary rocks by F, J pettijoh; Introduction to sedimentary	ne environments o	
Discuss t deposition Month	Lee From: 09/12/2024	ctures 14/12/2024	No. of lectures allotted	Topic, Subtopic to be covered Introduction to this paper and syllabus discussion Sedimentary processes Diagenesis of	ICT Tools PPT Powerpoint	Reference books Sedimentary rocks by F, J pettijoh; Introduction to	ne environments o	

	2/01/2025	11/01/2025		Size frequency distribution Grain size analysis Fabric and packing in Grains	Powerpoint presentation	Sedimentary rocks by F, J pettijoh; Introduction to sedimentary rocks by
	13/01/2025	2/01/2025	04	Fabric in Gravels Sphericity	PPT	Maurice E Tucker Sedimentary rocks by F, J
	20/01/2025	25/01/2025	04	Roundness Structure in rocks Bedding and laminations Depositional &	PPT	pettijohn; Introduction to
Jan/Feb	27/01/2025	1/02/2025	04	Erosional Structures Texture in sedimentary rocks Classification of sedimentary rocks Post depositional structures	PPT	sedimentary rocks by Maurice E Tucker
	03/02/2025	08/02/2025	04	Conglomerates Breccias Types of Breccia and conglomerates	PPT	
	10/02/2025	15/02/2025	04	Classification of Rudaceous rocks Textural Maturity Compositional Maturity	PPT	
		/02/2025				

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	17/02/2025	22/02/2025	0.4	Min and a con-	DDT	
	17/02/2025	22/02/2025	04	Mineralogy of	PPT	
				sandstones		
				Litharenites		
				Quartz arenites		
				Arkoses		
				Mineralogy of argillites		
				Classification and		
				diagenesis of Argillites		
	24/02/2025	1/03/2025	04	Evaporites	PPT	
				Phosphatic sediments		
				Siliceous sediments		
	3/03/2025	8/03/2025	04	Ferruginous sediments	PPT	
	3/03/2023	0/03/2023	04	Coal Deposits		
March				Residual laterite		
Wiaich				Bauxites and soils		
				Bauxites and sons		
						Sedimentary
						rocks by F, J
						pettijohn;
				Structural basins		pettijoini,
				Structurar Dasins		
				Morphological basins		Introduction
						to
				Tectonic basins		sedimentary
						rocks by
	10/02/2025	15/02/2025		Geosynclines		Maurice E
March	10/03/2025	15/03/2025	04		PPT	Tucker
						Sedimentary
						rocks by F, J
						pettijoh;
March			04		PPT	

						Introduction
						to
				Different depositional		sedimentary
				environments and its		rocks by
				physical, chemical and		Maurice E
	17/03/2025	22/03/2025		organic factors		Tucker
						Sedimentary
						rocks by F, J
						pettijoh;
						Introduction
						to
						sedimentary
				Flysch and molasses		rocks by
				sediments		Maurice E
March	31/03/2025	5/04/2025	04	Revision	PPT	Tucker
	7/4/2025	12/4/2025		ZTR index, grain size		
April	1/7/2023	12/4/2023	04	parametres	PPT	

MAXIMUM MARKS
10
10
50
80
150