23CE3251-ENGINEERING MECHANICS & BUILDING PRACTICES LAB

Brai	nch		CE							Year : I			Sem: II		
Coı	urse Ca	tegory:								Credits:			1.5		
Course Type:			Lab							Lecture-Tutorial- Practical:			0	-0-3	
													U		
									Continuous				30		
			NTI .							Evaluation:					
Prerequisites:			N	il							nester			70	
											valuatio				
										Total Marks:			100		
Cou	rse O	utcon	ies												
On co	mpletio														
CO1	Evaluate the coefficient of friction between two different surfaces and between									ween tl	ne	К3			
	inclined plane and the roller.											113			
CO2	Verify Law of Parallelogram of forces and Law of Moment using force polygon and									and	K2				
<u> </u>		ell crank lever. Determine the Centre of gravity of different configurations.												173	
CO3										and an	ن منساء	a of No		K3	
CO4			the Quality Testing and Assessment Procedures and principles of Non Testing.										K2		
CO5		sure to s			es in th	e consi	truction	indus	trv					K2	
	Contri									nt of P	rngra	m Ou	tcome		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7		PO9	PO10	PO11	PO12	PSO1	PSO2	
CO1	2	2	2	2	2	2	2					2	2		
CO2	2	2	2	2	2	2	2					2	2		
CO3	2	2	2	2	2	2	2					2	2		
CO4	2	2	2	2	2	2	2					2	2		
CO5	2	2	2	2	2	2	2					2	2		
Avg.	2	2	2	2	2	2	2					2	2		
	ents ha										.•				
Expe	riment	No.1	To study various types of tools used in construction.											COS	
Exper	riment	No.2	Forces in Pin Jointed Trusses											CO1	
Exper	riment	No.3	Experimental Proof of Lami's Theorem											CO2	
Exper	iment	No.4		Verification of Law of Parallelogram of Forces.											
Exper	riment	No.5	Determination of Center of Gravity of different shaped Plane Lamina.											CO3	
Experiment No.6 Determination of coefficient of Static and Rolling Friction.											CO				
	riment		Verification of Law of Moment using Rotation Disc Apparatus and Bell Crank Lever											CO2	
Expe	riment	No.8	Study of Alternative Materials like M-sand, Fly ash, Sea Sand etc.											COS	
Expe	riment	No.9	Field	l-Visit	to uno	derstar	nd the	Qualit	y Test	ing - re	eport.			CO	
	riment		Safe	ty Prac	ctices i	n Con	structi	on ind	lustry					COS	
Exper	iment	No.11	Dem Ham	onstra mer &	tion of UPV	f Non-	Destru	ictive '	Testin	g - usi	ng Rel	oound		CO ₄	
Exper	riment	No.12	Study of Plumbing in buildings.											COS	
_														1	