RG	PV (Diplo	oma Wing ) Bhopal		SCHEME FOI	R LEARNING	Bı	anch C	ode		Co	urse C	ode	CO Code	LO Code	Format No. 4
	× •			ourc	UME	M	0	2		4	0	1	1	1	
COU NA	URSE ME	STRENGTH OF	MAT	ERIALS											
CO Des	cription	Calculate stresses,	strain	and strain energy.											
LO Des	cription	Draw stress strain	diagra	m for a given mate	rial.										
		·			SCHEME O	F STU	DY								
S. No.	Lear	rning Content	Теа	ching –Learning Method	Description of Process	T-L	Teach Hrs.	۱ /۲	Prac Tut H	et. Irs.	I	LRs Re	equired		Remarks
1	Simple st viz. tensi Shear, Cr fatigue st Hook's I curve for and brittl	tresses and strains le, compressive, rushing, Thermal, tresses and strains, Law, Stress- Strain ductile material e material.	Inter teach demo assig tutor	active classroom ning, onstration, quiz, nments, ial	Teacher will exp the contents and provide handout students. Teache conduct assignm quiz/tutorial to n students practice knowledge.	blain s to er will hents/ nake e their	4		NIL	<u>ـ</u>	Hand PPT, video	louts, c text b o film.	halk board bok, charts	1,	
	1		1		SCHEME OF AS	SSESS	MENT								
S. No.	Metho	od of Assessment		Description of A	ssessment	Max M	kimum arks			]	Resour	ces Re	quired		External / Internal
1	Р	aper pen test	Stu stra	ident will be asked ain diagram for a gi	to draw stress ven material.		05			Те	st pape	er + Ra	ting scale		Internal
			AD	DITIONAL INST	<b>RUCTIONS FOI</b>	R THE	HOD/	FAC	CULT	Y (I	F ANY	Y)			·
					Part of prog	ressive	e I								

RG	PV (Diplo	oma Wing ) Bhopal		SCHEME FOR	LEARNING	Br	anch C	Code	Co	urse C	ode	CO Code	LO Code	Format No. 4
	- · ( <b>r</b>	·		OUTCO	OME	M	0	2	4	0	1	1	2	
COU NA	URSE ME	STRENGTH OF	MATE	CRIALS		- '								
CO Des	cription	Calculate stresses,	strain a	and strain energy.										
LO Des	cription	Calculate stresses,	strains	, elastic constants, j	principal stresses	and str	rains fo	r a gi	iven condi	tion.				
		·			SCHEME O	F STU	DY							
S. No.	Lear	rning Content	Tea	ching –Learning Method	Description of Process	f <b>T-L</b>	Teacl Hrs.	h //	Pract. Tut Hrs.	I	.Rs Re	quired		Remarks
1	Factor of Constant Poisson's Modulus Volumet between Problems Stresses a Hook's L constants and strain	Safety, Elastic s, Lateral Strain, s ratio, Bulk , Shear Modulus, ric Strain. Relation elastic constants s on Direct and Linear Strains, Law elastic s. Principal stresses ns. Mohr's Circle.	Intera teachi demo assigr tutoria	ctive classroom ng, nstration, quiz, nments, al	Teacher will ex the contents and provide handou students. Teach will conduct assignments/ quiz/tutorial to students practic their knowledge	plain 1 ts to er make e e.	6		NIL	Hand PPT, video	louts, c text bo film.	halk boar ook, chart	d, s,	
				S	SCHEME OF A	SSESS	MENT	<b>,</b>						
S. No.	Metho	od of Assessment		Description of As	ssessment	Max M	timum arks		]	Resour	ces Re	quired		External / Internal
1	]	Theory exam	Stud give cone	dent will be asked to en properties for a g dition.	o calculate iven		10		Que	stion pa	iper + 1	ating sca	le	External
			ADI	DITIONAL INSTR	RUCTIONS FOR	R THE	HOD/	FAC	CULTY (I	<b>FAN</b>	<i>(</i> )			
					NIL	, 								

RG	PV (Diplo	oma Wing ) Bhopal		SCHEME FOR	R LEARNING	Br	anch C	ode	Ca	ourse C	ode	CO Code	LO Code	Format No. 4
	× -			UUIC	OME	M	0	2	4	0	1	1	3	
COU NA	JRSE ME	STRENGTH OF	MATE	CRIALS										
CO Des	cription	Calculate stresses,	strain a	and strain energy.										
LO Des	cription	Calculate strain end	ergy un	der given loading	for a given object	•								
		·			SCHEME O	F STU	DY							
S. No.	Lear	ning Content	Teac	hing –Learning Method	Description of Process	T-L	Teach Hrs.	ı F	Pract. ut Hrs.	I	.Rs Re	quired		Remarks
1	Strain energy of resilience strain of following i) Gradua ii) Sudde iii) Imp numerica on strain	Energy: Strain r resilience, proof e and modulus of e; formulae of energy for the g cases: ally applied load, enly applied load, pact/shock load; l problems based energy.	Interaction in the interaction of the interaction o	ctive classroom ng, nstration, quiz, iments, al	Teacher will exp the contents and provide handout students. Teache conduct assignm quiz/tutorial to n students practice knowledge.	lain s to r will ents/ nake s their	6		NIL	Hand PPT, video	outs, c text bc film.	halk boar ook, chart	d, s,	
					SCHEME OF AS	SSESS	MENT							
S. No.	Metho	od of Assessment		Description of A	ssessment	Max M	kimum arks		]	Resour	ces Re	quired		External / Internal
1	Р	aper pen test	Stud strai a giv	lent will be asked t in energy under giv ven object.	to calculate ven loading for		05		Те	est pape	r + Rat	ing scale		Internal
			ADD	DITIONAL INST	RUCTIONS FOR	R THE	HOD/	FACI	ULTY (	IF ANY	()			
					Part of prog	ressive	e I							

RG	PV (Diplo	oma Wing ) Bhopal	SCHEM	E FOR LEAR	NING	Br	anch (	Code	Co	ourse C	ode	CO Code	LO Code	Format No. 4
		8) I		OUTCOME		M	0	2	4	0	1	2	1	_
COU NA	URSE ME	STRENGTH OF N	IATERIALS								1			1
CO Des	cription	Perform mechanical	testing of mater	ials.										
LO Des	cription	Describe an appropr	iate test method	for a mechanica	l propert	y of a g	iven m	aterial.						
		1		SCH	IEME O	F STU	DY							
S. No.		Learning Conte	nt	Teaching – Learning Method	Descri I	iption o Process	of T-L	Te H	ach rs.	Pract /Tut Hrs.	•	LRs Req	uired	Remarks
1	<ol> <li>Mechanical properties of materials brittlend creep, ductility, elasticity, hardness, malleability, plasticity, strength, stiffness, toughness, endurance limit,</li> <li>Destructive testing , tensile test, compression test, shear test bending test, hardness test, torsion test, impact test fatigue test, Non- destructive testing methods, visual testing, ultrasonic testing, radiography testing electromagnetic testing, magnetic particle testing, acoustic emission testing, liquid penetrate testing, leak testing methods</li> </ol>			Interactive classroom teaching, demonstratio n, quiz, assignments, tutorial	Teache the con provide student will con assignn quiz/tut student their kr	r will e tents an e hando s. Teac nduct nents/ torial to s practi nowleds	xplain nd uts to her o make ce ge.	N	IL	09	H bc bc fil	andouts, c oard, PPT, ook, charts m, lab ma	halk text s, video inual.	
				SCHEM	IE OF A	SSESS	MENI	[						
S. No.	Metho	od of Assessment	Descripti	on of Assessme	nt	Max M	imum arks			Resour	ces Re	equired		External / Internal
1	Lat	ooratory test by observation	Student will be appropriate test mechanical pro- materials.	asked to select t method for a perty of a given	an		20	0	bservat	tion sche scale	edule/c es /rub	check-list rics	/rating	Internal
			ADDITIONAL	INSTRUCTIO	ONS FOI	R THE	HOD	FACU	JLTY (	IF ANY	<i>(</i> )			
				Ра	art of La	b Wor	ĸ							

RG	PV (Diplo	oma Wing ) Bhopal	SCHEME FOI	RLEARNING	Br	anch C	ode	Co	urse C	ode	CO Code	LO Code	Format No. 4
		87 I	OUIC	OME	M	0	2	4	0	1	2	2	
COU NA	URSE ME	STRENGTH OF M	IATERIALS			11			1	1			1
CO Des	cription	Perform mechanical	testing of materials.										
LO Des	cription	Perform a given dest	ructive/ non-destructive	e test for a given i	nateria	1.							
		1		SCHEME O	F STU	DY							
S. No.	Ι	Learning Content	Teaching – Learning Method	Description of Process	T-L	Teach Hrs.	P /Tu	Pract. ut Hrs.	L	.Rs Re	quired		Remarks
1	Destructi compress bending t test, impa Non- des methods, ultrasonio testing, e magnetic acoustic o penetrate methods	ve testing , tensile test sion test, shear test test, hardness test, tors act test fatigue test, tructive testing visual testing, c testing, radiography lectromagnetic testing particle testing, emission testing, liqui testing, leak testing	t, Interactive classroom teaching, demonstration, quiz, assignments, tutorial	Teacher will exp the contents and provide handout students. Teacher conduct assignm quiz/tutorial to r students practice knowledge.	olain ts to er will nents/ nake e their	NIL		36	Hand PPT, video manu	outs, c text bo film, l al.	halk boar ook, chart lab	d, s,	
			·	SCHEME OF A	SSESS	MENT							
S. No.	Metho	od of Assessment	Description of A	ssessment	Max M	kimum arks		]	Resour	ces Re	quired		External / Internal
1	Lat	ooratory test by observation	Student will be asked destructive test for a g	to perform a iven material.		30	0	bservati	ion sche scale	edule/c es /rub	heck-list rics	/rating	External
			ADDITIONAL INST	<b>RUCTIONS FO</b>	R THE	HOD/	FACU	JLTY (I	IF ANY	<i>(</i> )			
				Part of end pra	ectical e	exam							

RG	PV (Diplo	oma Wing ) Bhopal		SCHEME FOR	R LEARNING	Br	anch C	Code	Co	ourse C	ode	CO Code	LO Code	Format No. 4
				Unc	UNIE	M	0	2	4	0	1	3	1	
COU NA	JRSE ME	STRENGTH OF	MATI	ERIALS			·	·			-		·	
CO Des	cription	Draw SFD and BM	ID for	a given beam unde	r loading.									
LO Des	cription	Describe types of l	load, sł	hear force, bending	moment acting or	n beam	IS.							
		'			SCHEME O	F STU	DY							
S. No.	Lear	rning Content	Teac	ching –Learning Method	Description of Process	T-L	Teacl Hrs.	<b>ו</b> /]	Pract. Tut Hrs.	L	Rs Re	quired		Remarks
1	Definitio Bending beams ca supported fixed bea acting on load, unit load, unit load,	n-Shear Force and Moment, types of intilever, simply d, overhanging and ims, types of load beams- point formly distributed formly varying	Intera teach demo assign tutori	active classroom ing, onstration, quiz, nments, al	Teacher will exp the contents and provide handouts students. Teache conduct assignm quiz/tutorial to n students practice knowledge.	olain s to r will ents/ nake e their	4		NIL	Hand PPT, video	outs, cl text bo film.	halk board ok, charts	d, 5,	
					SCHEME OF AS	SSESS	MENT	•						
S. No.	Metho	od of Assessment		Description of A	ssessment	Max M	kimum arks		]	Resour	ces Re	quired		External / Internal
1	]	Theory exam	Stu- shea of 1	dent will be asked t ar force, bending m oad acting on a giv	to describe noment, types en beam.		5		Que	stion pa	aper + r	ating scal	e	External
			ADI	DITIONAL INST	RUCTIONS FOR	R THE	HOD/	FAC	CULTY (	(F ANY	()			
					NIL	,								

RG	PV (Dinla	oma Wing ) Bhonal	SCHEME FOR	LEARNING	Bı	ranch C	ode	Сот	urse C	ode	CO Code	LO Code	Format No. 4
	r (Dipic	ina (fing) biopai	OUTCO	OME	M	0	2	4	0	1	3	2	
COU NA	URSE ME	STRENGTH OF	MATERIALS			1						1	1
CO Des	cription	Draw SFD and BM	ID for given beam under l	oading.									
LO Des	cription	Draw shear force, l	pending moment diagram	for a beam under	a give	n loadir	ng co	ndition.					
		1		SCHEME O	F STU	DY							
S. No.	Lear	rning Content	Teaching –Learning Method	Description of Process	f T-L	Teach Hrs.	۱ /۲	Pract. Tut Hrs.	L	.Rs Re	quired		Remarks
1	Bending importan to draw s and b diagram- Maximun Point of its in shear for moment Cantileve Supporte to Point I	Moment and its ce -sign convention shear force diagram bending moment Concept of m bending moment, Contra-flexure and mportance-Drawing orce and bending diagram for er, Simply d Beams subjected Load and U.D.L	Interactive classroom teaching, demonstration, quiz, assignments, tutorial	Teacher will ex the contents and provide handou students. Teach will conduct assignments/ quiz/tutorial to students practic their knowledge	plain d tts to er make ee e.	10		NIL	Hand PPT, video	outs, cl text bo film.	halk board	d, s,	
			Ś	SCHEME OF A	SSESS	SMENT							
S. No.	Metho	od of Assessment	Description of A	ssessment	Max M	kimum arks		R	Resour	ces Re	quired		External / Internal
1	]	Theory exam	Student will be asked of force, bending moment beam under a given loa condition.	lraw shear t diagram for a ading		15		Ques	tion pa	nper + r	ating scal	e	External
			ADDITIONAL INSTR	<b>RUCTIONS FO</b>	R THE	HOD/	FAC	CULTY (I	F ANY	<i>(</i> )			
				NII									

RG	PV (Diplo	oma Wing ) Bhopal	SCHEME FOR	R LEARNING	Br	anch C	Code	Со	urse C	ode	CO Code	LO Code	Format No. 4
		8/ 1	OUIC	OME	M	0	2	4	0	1	4	1	
COU NA	URSE ME	STRENGTH OF	MATERIALS		- ·	·			-				
CO Des	cription	Calculate bending s	stresses for a given beam										
LO Des	cription	Explain bending str	resses, modulus of section	n and bending equ	uation.								
				SCHEME O	F STU	DY							
S. No.	Lear	ning Content	Teaching –Learning Method	Description of Process	T-L	Teac Hrs.	h //	Pract. Tut Hrs.	I	.Rs Re	quired		Remarks
1	Position beams, resistance (without section hollow re and hollo Beams of	of neutral axis in moment of e, Bending equation proof), Modulus of for rectangular, ectangular, circular w circular sections, funiform strength,	Interactive classroom teaching, demonstration, quiz, assignments, tutorial	Teacher will exp the contents and provide handout students. Teacher conduct assignm quiz/tutorial to r students practice knowledge.	blain s to er will nents/ nake e their	4		NIL	Hand PPT, videc	louts, c text bc film.	halk board	1, ,,	
				SCHEME OF A	SSESS	MENT	۲.						
S. No.	Metho	od of Assessment	Description of A	ssessment	Max M	kimum arks		I	Resour	ces Re	quired		External / Internal
1	Т	heory exam	Student will be asked bending stresses, mod for given sections and equation.	describe ulus of section bending		6		Те	st pape	r + Rat	ing scale		External
			ADDITIONAL INST	<b>RUCTIONS FO</b>	R THE	HOD/	FAC	CULTY (I	F ANY	<i>(</i> )			
				NII									

RG	PV (Diplo	oma Wing ) Bhopal	l	SCHEME FOR	RLEARNING	Br	anch C	Cod	e	Co	urse C	ode	CO Code	LO Code	Format No. 4
		8/ 1		OUTC	OME	M	0		2	4	0	1	4	2	
COU NA	JRSE ME	STRENGTH OF	MAT	ERIALS										•	
CO Des	cription	Calculate bending	stress	es for a given beam											
LO Des	cription	Express relation be	etweer	n bending stress and	l radius of curvatu	re.									
		·			SCHEME O	F STU	DY								
S. No.	Lear	rning Content	Tea	ching –Learning Method	Description of Process	T-L	Teacl Hrs.	h	Pra /Tut	act. Hrs.	L	Rs Re	quired		Remarks
1	Introduct in theory bending, relation b stress and curvature	ion, assumptions of simple bending stress, between bending d radius of e (formula only).	Inter teach demo assig tutor	active classroom ning, onstration, quiz, gnments, ial	Teacher will exp the contents and provide handouts students. Teache conduct assignm quiz/tutorial to m students practice knowledge.	lain s to r will ents/ nake their	4		N	IL	Hand PPT, video	outs, c text bo film.	halk board ok, charts	1,	
					SCHEME OF AS	SSESS	MENT				1				
S. No.	Metho	od of Assessment		Description of A	ssessment	Max M	kimum arks			]	Resour	ces Re	quired		External / Internal
1	No.     Method of Assessment       1     Assignment			ident will be asked nple bending to exp tween bending stres twature.	theory of ress relation s and radius of		05			-	Rubrics	/rating	scales		Internal
			AD	DITIONAL INST	RUCTIONS FOF	R THE	HOD/	FA	CUL	TY (l	FANY	<b>)</b>			
					Term w	vork									

RG	PV (Dipla	ma Wing ) Bhopal	SCHEME FO	R LEARNING	Br	anch C	Code	Co	ourse C	ode	CO Code	LO Code	Format No. 4
	- (- <b>P</b>	g)p	OUTC	COME	M	0	2	4	0	1	4	3	
COU NA	URSE ME	STRENGTH OF	MATERIALS		·				·		·	•	
CO Des	cription	Calculate bending	stresses for a given beam	l.									
LO Des	cription	Calculate slope, de	flection, flexural strength	n of a given beam.									
				SCHEME O	F STU	DY							
S. No.	Lear	ning Content	Teaching –Learning Method	Description of Process	T-L	Teacl Hrs.	1   /T	Pract. Fut Hrs.	I	.Rs Re	quired		Remarks
1	Calculation deflection of cantile supported load and	on of slope, n, flexural strength ver and simply l beams for point UDL.	Interactive classroom teaching, demonstration, quiz, assignments, tutorial	Teacher will exp the contents and provide handout students. Teacher conduct assignm quiz/tutorial to r students practice knowledge.	s to er will nents/ nake e their	8		NIL	Hand PPT, video	louts, cl text bo film.	halk board	d, ,,	
	1			SCHEME OF A	SSESS	SMENT	• 						1
S. No.	Metho	od of Assessment	Description of A	ssessment	Max M	kimum arks			Resour	ces Re	quired		External / Internal
1	Р	aper pen test	Student will be ask slope, deflection, flex given beam under give	xed to calculate ural strength of a en loading.		10		Те	est pape	r + Rat	ing scale		Internal
			ADDITIONAL INST	<b>RUCTIONS FO</b>	R THE	HOD/	FAC	ULTY (	IF ANY	Y)			
				Part of prog	ressive	II							

RG	PV (Diplo	oma Wing ) Bhopal	SCHEME FOI	RLEARNING	Bı	anch C	Code	Со	urse C	ode	CO Code	LO Code	Format No. 4
		8/ 1	OUIC	COME	M	0	2	4	0	1	4	4	-
COU NA	URSE ME	STRENGTH OF	MATERIALS			1	1		1	1		1	1
CO Des	cription	Calculate bending	stresses for a given beam										
LO Des	cription	Calculate stresses	using bending equation or	n a given beam.									
				SCHEME O	F STU	DY							
S. No.	Lea	rning Content	Teaching –Learning Method	Description of Process	T-L	Teacl Hrs.	ו [/]	Pract. Tut Hrs.	L	.Rs Re	quired		Remarks
1	Numerica calculation bending	al problems on on of stresses using equation	Interactive classroom teaching, demonstration, quiz, assignments, tutorial	Teacher will exp the contents and provide handout students. Teacher conduct assignm quiz/tutorial to r students practice knowledge.	blain ts to er will nents/ nake e their	8		NIL	Hand PPT, video	outs, e text be film.	halk board ook, charts	d, s,	
	1			SCHEME OF A	SSESS	MENT	,						
S. No.	Meth	od of Assessment	Description of A	ssessment	Max M	kimum arks		Ι	Resour	ces Re	quired		External / Internal
1	5	Theory exam	Student will be aske stresses using bendin given bea	ed to calculate g equation on a am.		14		Те	st pape	r + Rat	ing scale		External
			ADDITIONAL INST	<b>RUCTIONS FO</b>	R THE	HOD/	FAC	CULTY (I	F ANY	<i>(</i> )			
				NII									

RG	PV (Diplo	oma Wing ) Bhopal		SCHEME FOR	R LEARNING	Br	anch C	ode	Co	ourse C	ode	CO Code	LO Code	Format No. 4
	` <b>-</b>			UUIC	UME	M	0	2	4	0	1	5	1	
COU NA	JRSE ME	STRENGTH OF	MAT	ERIALS							-		·	·
CO Des	cription	Calculate design p	arame	ters of circular shaf	ts and springs									
LO Des	cription	Calculate design p	arame	ters of a given shaft	•									
		·			SCHEME O	F STU	DY							
S. No.	Lear	ning Content	Tea	ching –Learning Method	Description of Process	T-L	Teach Hrs.	[ /T	Pract. Fut Hrs.	I	.Rs Re	quired		Remarks
1	Definition shaft: Cal M.I. for s shafts; As simple to of the equ T/J=f <sub>s</sub> /R= Numerica design of strength a	n and function of leulation of polar solid and hollow ssumptions in rsion; Derivation uation =G $\theta/L$ ; al Problems on Shaft based on and rigidity	Inter teach dem assig tutor	active classroom ning, onstration, quiz, gnments, ial.	Teacher will exp the contents and provide handout students. Teache conduct assignm quiz/tutorial to n students practice knowledge.	olain s to er will nake e their	8	0		Hand PPT, video	outs, c text bc film.	halk board	1, ,,	
					SCHEME OF AS	SSESS	MENT							
S. No.	Metho	od of Assessment		Description of A	ssessment	Max M	kimum arks		]	Resour	ces Re	quired		External / Internal
1	Т	Theory exam	Stu de:	ident will be asked t sign parameters a gi	to calculate ven shaft.		10		Τe	est pape	r + Rat	ing scale		External
			AD	DITIONAL INST	RUCTIONS FOI	R THE	HOD/	FAC	CULTY (	IF ANY	<i>(</i> )			1
					NIL									

RG	PV (Diplo	oma Wing ) Bhopal	SCHEME FO	SCHEME FOR LEARNING		Branch Code			Course Code			CO Code	LO Code	Format No. 4
			UUIC	OUICOME				2	4	0	1	5	2	
COURSE NAME STRENGTH OF MA			MATERIALS											
CO Des	cription	Calculate design p	ameters of circular shafts and springs											
<b>LO Description</b> Explain springs, its classification and stiffness of a spring.														
SCHEME OF STUDY														
S. No.	Learning Content		Teaching –Learning Method	Description of Process	T-L	Teac Hrs.	h	Pract. /Tut Hrs.		LRs Required			Remarks	
1	Classification of springs: Nomenclature of closed coil helical spring; Deflection formula for closed coil helical spring (without derivation); stiffness of spring.		Interactive classroom teaching, demonstration, quiz, assignments, tutorial.	Teacher will explain the contents and provide handouts to students. Teacher will conduct assignments/ quiz/tutorial to make students practice their knowledge.		5		NII		Handouts, chalk board, PPT, text book, charts, video film.			d, s,	
				SCHEME OF A	SSESS	MEN'I								1
S. No.	Metho	od of Assessment	<b>Description of</b> A	<b>Description of Assessment</b>				<b>Resources Required</b>						External / Internal
1		Quiz	Student will be asked springs, its classification of a spring.		05		Rubrics/rating scales					Internal		
ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)														
Term work														

RGPV (Diploma Wing ) Bhopal			SCHEME	SCHEME FOR LEARNING OUTCOME		Branch Code			Course Code			LO Code	Format No. 4
			0			0	2	4	0	1	5	3	
COU NA	JRSE ME	STRENGTH OF	IATERIALS										
<b>CO Description</b> Calculate design para			rameters of circular shafts and springs										
LO Des	cription	Calculate design pa	arameters of a given	ieters of a given spring.									
SCHEME OF STUDY													
S. No.	Learning Content		Teaching –Learn Method	ing Description of Process	Description of T-L Process		۱ /۲	Pract. Tut Hrs.	L	.Rs Re	quired		Remarks
1	NumericalProblemsrelated to comparison ofstrength and weight ofsolid and hollow shafts.Numerical problems onclosed coil helical spring tofind safe load, deflection,size of coil and number ofcoils.		Interactive classroo teaching, demonstration, quiz assignments, tutorial	m Teacher will exp the contents and z, provide handout students. Teacher conduct assignm quiz/tutorial to n students practice knowledge.	Teacher will explain the contents and provide handouts to students. Teacher will conduct assignments/ quiz/tutorial to make students practice their knowledge.		0		Hand PPT, video	outs, c text bo film.	halk board	d, 5,	
	SCHEME OF ASSESSMENT												
S. No.	Meth	od of Assessment	Description of Assessment		Maximum Marks			Resources Rec			uired Exte		External / Internal
1	Theory exam Stude		Student will be as design parameter	Student will be asked to calculate design parameters a given spring.		10 T			Test paper + Rating scale				External
ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)													
NIL													