			SCHEME	E FOR	R LEAF	RNING	B	Branch Co	de	Cour	se Code	CO Code	LO Code	
KGPV		ma Wing) Bhopal	С	UTC	OME		С	0	3			1	1	Format No. 4
COURS	E NAME	Concrete Technology				/					I			
CO Des	cription	Interpret properties of cer	nent aggregat	es and	water	used in conci	rete.							
LO Dese	cription	Describe different propert	ies, types , gra	ades of	cemen	t and quality	of v	vater.						
	I			SC	HEME C	F STUDY								
S. No.		Learning Content	Methoo teachi			ption of T-L rocess		each Irs.		Pract. ut Hrs.	LRs I	Require	ed	Remarks
1.	fineness, s time, sour Different codes. BIS Specif different hardening Sulphate Alumina a Water: Qu	roperties of OPC and PPC: standard consistency, setting ndness, compressive strength grades of OPC and relevant B ications and field applications types of cements: Rapid g, Low heat, Portland pozzola resisting, Blast furnace slag, H and White cement. uality of water, impurities in ater and permissible limits of per IS: 456	S Interactive classroor of teaching, assignmenta, quiz,	ve n , ents,	the con provide the stud	will conduct nd give ents to their	06		00		board	outs, ch , PPT, t charts, film.	ext	NIL
				SCHEN	ME OF A	SSESSMENT								
S. No.	Metho Assess	Description of	Assessment	-	imum arks	Passing	g Crit	teria		Res	ources	Requir	ed	External / Internal
1	Theory	exam exam exam	of OPC and dard g time, essive	()5	Question p so	aper cale	+ Rati	ng		uts, chal book, ch film	arts, vi		, External

BIS Specifications and field applications of different types of cements: Rapid hardening, Low heat, Portland pozzolana, Sulphate resisting, Blast furnace slag, High Alumina and White cement. Water: Quality of water, impurities in mixing water and permissible limits of solids as per IS: 456		
ADDITIONAL INSTRUCTION	ONS FOR THE HOD/ FACULTY (IF ANY) d semester theory exam	

			S	CHEME	FOR LEAF	RNING	B	Branch Co	de	Cou	rse Code	CO Code	LO Code	
KGPV		oma Wing) Bho	opai	0	UTCOME		С	0	3			1	2	Format No. 4
COURS	E NAME	Concrete Technolo	gy								I			
CO Des	cription	Interpret propertie	es of cemen	t aggregate	es and water	used in conc	rete.							
LO Dese	cription	Describe types and	l properties	of aggrega	ites.									
		1			SCHEME C	OF STUDY								
S. No.		Learning Content	t	Method teachi		ption of T-L rocess		each Irs.		Pract. ut Hrs.	LRs	Require	ed	Remarks
1	Classificat Fine aggre gravity, bu bulking, fi sand, silt o IS 383. Co Coarse ag surface te specific gr modulus o coarse agg	es: Requirements of goo ion according to size an egates: Properties, size, ulk density, water absor neness modulus and gra content and their specif ncept of crushed Sand. gregates: Properties, siz xture, water absorption ravity and bulk density, for f coarse aggregate, gra gregates, crushing value abrasion value of coars ifications.	d shape. specific ption and ading zone of ication as per e, shape, , soundness, fineness ding of e, impact	Interactive classroom teaching, assignmen quiz, presentatio	the cont provide the stud ts, will cond and give		06		00		board	outs, cha d, PPT, te: , charts, o film.	vt	NIL
					SCHEME OF A	SSESSMENT	•							
S. No.		od of Descrip	tion of Asse	essment	Maximum Marks	Passin	g Crit	teria		Re	sources	s Requir	ed	External / Internal
1	Paper p	oen test classif	will be asked ication and v erties of FA a	arious	05	Test paper	+ Rat	ing sc	ale		book, c	alk board harts, vie m.		, Internal
			ADDITIO	ONAL INST	RUCTIONS FO	R THE HOD/	FAC	ULTY	(IF AI	NY)				
				Part of In	ternal Exam -	- Mid Semes	ter T	est-l						

			S	CHEME	FOR LEAR	RNING	E	Branch Co	de	Cou	rse Code	CO Code	LO Code	
KGPV		ma Wing) Bh	пораг	0	JTCOME		С	0	3			1	3	Format No. 4
COURS	E NAME	Concrete Techno	logy											
CO Des	cription	Interpret propert	ties of cement	aggregate	s and water u	used in conci	rete.	•						
LO Des	cription	Perform various	tests on ceme	nt and agg	regates									
					SCHEME O	F STUDY								
S. No.		Learning Conte	nt	Method teachir		ption of T-L rocess		each Hrs.		Pract. ut Hrs.	LRs	Require	ed	Remarks
1	Tests on	cement -fineness, so aggregates: Wate modulus, Impact 1	er absorption,	Lab demonstra n, hands o practice' la assignmer	the cont provide the stud n teacher ab demons its. compon Student		00		12		board manu video	outs, ch I, PPT, al, char film, I, virtua	ts,	NIL
				9	SCHEME OF A	SSESSMENT								
S. No.	Meth Assess	Descr	iption of Asse	ssment	Maximum Marks	Passing	g Cri	teria		Res	ources	Requir	ed	External / Internal
1	Laborato by obse		s will be asked t of the test perfo			Question p Ratin			ı +		Observ ule/cheo scales /i	ck-list /r	ating	Both
			ADDITIC	NAL INSTR	RUCTIONS FO	R THE HOD/	FAC	ULTY	(IF A	NY)				
			Part of P	ractical Exa	am : Internal	Marks for Pr	actio	cal:	12 M	arks				

				S	CHEME	FO	R LEAR	NING	E	Branch Co	de	Cou	rse Cod	e	CO Code	LO Code	
RGP	/ (Diplo	ma Wing	g) Bhopal		0	UTC	OME	-	С	0	3				2	1	Format No. 4
COURS	E NAME	Concrete 1	Technology					I									
CO Des	cription	Explain dif	fferent characte	ristic	s of concre	ete.											
LO Des	cription	Describe p	properties and g	rades	of concre	te fo	or differer	nt exposure	cond	dition	s.						
		1				S	CHEME O	F STUDY									
S. No.		Learning	Content		Method teachir	-	-	otion of T-L ocess		each Hrs.		Pract. ut Hrs.	LI	Rs Red	quire	d	Remarks
1	per provi Duff Ab law, sign w/c ratio w/c ratio for differ	isions of IS 45 raham water ificance of w o for differe o for differer rent exposure ring and its	grades of concret 56. r cement (w/c) v/c ratio, selectio nt grades, maxir nt grades of conc e conditions as p effect on conc	ratio on of num crete er IS	Interactive classroom teaching, assignmer quiz, presentati	nts,	the cont provide the stud	will conduct nd give ents to their	06		00		bo bo	ndout ard, Pl ok, ch leo filr	PT, te arts,	v+	JIL
						SCHE	ME OF A	SSESSMENT									
S. No.		od of sment	Description of	Asses	ssment	-	ximum 1arks	Passing	g Cri	teria		Re	sourc	es Re	quire	ed	External / Internal
1	Theory	D p y exam ra g d	tudents will be a Different grades per provisions o atio, it's selectio grades. Max w lifferent grades Curing of concrete	of co f IS on for v/c r of	ncrete as 456, w/c different ratio for		05	Question pa so	aper cale	+ Rati	ng	Hando text	book	halk b , chart film.			Internal
			AD	DITIO	NAL INST	RUCT	IONS FO	R THE HOD/	FAC	ULTY	(IF A	NY)					
					Part of In	terna	al Exam –	Mid Semest	ter T	est-l							

RGPV (Dip	oloma Wir	ng)	SCHEME FOR					B	ranch Coo	le	Cours	se Code	CO Code	LO Code	
Bh	nopal		SCHEIVIE FOR	LEAKIN				С	0	3			2	2	No. 4
COURSE NAN	VE C	Concre	te Technology												
CO Descriptio	on E	xplain	different characteristics	of concret	te.										
LO Descriptic	on E	xplain	significance of propertie	s of fresh	and ha	ardened con	crete.								
				SCH	EME O	F STUDY									
S. No.		Leai	rning Content	Metho teach		•	ion of T-L cess		Геасh Hrs.	/	act. Fut rs.	LRs	Requir	ed	Remarks
1	Factors aff Segregatio measures. Determina slump cone Consistom for differen Properties	fecting v on, blee ation of ne, comp neter. Va nt types of Haro Strength	h concrete: Workability: workability of concrete. ding and preventive workability of concrete by paction factor, Vee-Bee alues of workability required s of concrete works. dened concrete: factors h, Durability and	Interactive classroom teaching, assignmen quiz, presentati	its, on	Teacher will contents and handouts to students; tea conduct a qu assignments their knowle	l provide the acher will iz and give to practice	0	8	00		chal PPT,	douts, k board, text boo ts, videc	ok,	NIL
				SCHEM	E OF A	SSESSMENT									
S. No.	Method Assessm		Description of Assess	ment		aximum Marks	Passin	g Cri	teria		Res	ource	es Requ	ired	Externa / Interna
1	Theory ex	xam	Students will be asked to exvarious properties of fresh hardened concrete.	•		10	Questic Ratir	•	•			text l	chalk b book, ch o film.		Externa
			ADDITIONAL IN:	STRUCTIO	NS FOI	R THE HOD/	FACULTY	(IF A	NY)						
			Ра	rt of end s	semest	er theory e	xam								

DCD ¹				SC	HEME	FOR LI	EARNING		Branch	Code		Cour	se Code	•	CO Code	LO Cod	e	
RGPV	/ (Diplo	ma Wing) Bhopal		οι	JTCON	/IE	С	0		3				2	3	F	ormat No. 4
COURS	E NAME	Concrete Tec	hnology															
CO Des	cription	Explain diffe	rent characteris	stics	of concre	te.												
LO Des	cription	Perform test	s on concrete a	nd I	nterpreta	tion of te	est results.											
	· · ·					SCHEN	/IE OF STUDY											
S. No.		Learning Co	ontent		Method teachin		scription of T-L Process		'each Hrs.		Pra /Tut		LF	Rs Re	quire	ed		Remarks
1	1. Slu 2. Co	hould Perform ump cone test ompaction facto sive strength		nt	Lab demonstra n, hands o practice' la assignmen	the pro tio the n tea b der ts. con Stu	cher will explain contents and vide handouts to students; cher will nonstrate the nponents in lab. dents will learn ough practice.	00			06		bo ma vid	ard, F inual, eo fil odel, s	, char	ts,	NIL	
					S	CHEME	OF ASSESSMENT	-										
S. No.	Metho Assess	D	escription of As	ses	sment	Maximu Marks	Passin	g Cr	iteria)		Res	ourc	es Ro	equir	ed		External / Internal
1	Laborato by obser	•	dents will be aske any of the tests p		•		Question Rati	oape ng sc		va +	S	chedi			list /r	ating	3	Both
			ADDI	TION	NAL INSTR		S FOR THE HOD,	′ FAC	CULT	Y (II	ANY)						
			Part o	of Pr	actical Exa	am : Inte	rnal Marks for F	ract	ical :	06	Mark	S						

			, S	СНЕМЕ	FO	R LEAR	NING	В	ranch Co	de	Cour	se Code	CO Code	LO Code	
RGPV	(Diplo	ma Wing) Bho	opal	0	υτα	OME	-	С	0	3			3	1	Format No. 4
COURS	E NAME	Concrete Technolo	gy									I			
CO Des	cription	Prepare concrete r	nix of requir	ed specific	catio	n.									
LO Des	cription	Explain objective a	nd methods	of mix de	sign.										
		I			S	CHEME OF	F STUDY								
S. No.		Learning Content	t	Method teachir	-	-	tion of T-L ocess		each Irs.		Pract. ut Hrs.	LRs	Requir	ed	Remarks
1	methods of Objectives introducti 2000; pro prescribeo	mix design: Objection of mix design. s and parameters of on to various grades a portioning for nominal d by IS 456-2000. be between nominal ar	mix design, as per IS:456- mix design as	Interactive classroom teaching, assignmen quiz, presentatio	ts,	the conte provide ha the studen will condu	andouts to nts; teacher uct a quiz assignments e their	08		00		board	outs, cha , PPT, te charts, film.	v+	NIL
				:	SCHE	EME OF AS	SSESSMENT								
S. No.		od of sment Descrip	otion of Asse	ssment	-	ximum 1arks	Passing	g Crit	teria		Res	ources	Requir	ed	External / Internal
1	Theory	v exam v	ing for nor rescribed by IS between no	gn and its to various 5:456-2000; minal mix 456-2000.		10	Question pap	er + R	atings	cale		-	lk board ts, video		External
		·	ADDITIC	ONAL INSTI	RUCT	IONS FOR	R THE HOD/	FAC	ULTY	(IF AI	NY)				
				Part	of en	nd semest	er theory e	xam							

			SCHEME	FOR LEA	RNING		Branch C	ode	Cours	se Code	CO Code	LO Cod	e
RGPV	/ (Diplo	ma Wing) Bhopal	0	UTCOME		С	0	3			3	2	Format No. 4
COURS	E NAME	Concrete Technology											
CO Des	cription	Prepare concrete mix of re	equired specifie	cation.									
LO Des	cription	Design concrete mix as pe	er IS 10262 .										
				SCHEME	OF STUDY								
S. No.		Learning Content	Method teachir		ription of T-L Process		each Hrs.	Pra	act. /Tut Hrs.	LRs	Require	ed	Remarks
1	controllec Design of specificati Adjustme aggregate workabilit Mix desig	nt on site for: Bulking of fine , water absorption of aggregate,	Interactive classroom teaching, assignmen quiz, presentation	e the con provide the stud ts, will con and give	r will explain tents and handouts to dents; teacher duct a quiz e assignments tice their dge.	07		00		board,	outs, cha PPT, te charts, film.		NIL
				SCHEME OF	ASSESSMENT	Г							
S. No.	Meth Asses	od of Description of	Assessment	Maximum Marks	Passin	ng Cri	teria		Res	ources	Requir	ed	External / Internal
1	Assign	ments Min design problem Min design problem Min design problem Min design problem Min design problem Min design problem Min design min strength	ode method ications. or: Bulking of r absorption of ty. s of concrete for	10	Question pap	oer +	Rating	scale		uts, chal ok, char			Intornal
		ADI	DITIONAL INST	RUCTIONS FO	OR THE HOD/	/ FAC	CULTY	(IF A	NY)				
		Par	t of Internal Ex	am –Assignr	nents/Semin	ars/	Prese	ntati	ons				

			S	СНЕМЕ	FOR L	EARNING		Branch C	ode	Cour	se Code	CO Code	LC Cod	de	4
RGPV	(Diplo	oma Wing) Bhopal		0	UTCON	ΛE	С	0	3			4	1	Format	No. Z
COURS	E NAME	Concrete Technology										1	I		
CO Des	cription	Carryout various concret	ing op	erations a	nd use a	dmixtures.									
LO Dese	cription	Explain the sequential or	eratio	ons of con	creting in	given situation	•								
		·			SCHE	ME OF STUDY									
S. No.		Learning Content		Method teachii		escription of T-L Process		each Hrs.		Pract. ut Hrs.	LRs	Requir	ed	Rema	r ks
1	Transport and curing Equipmer	g Operations: Batching, Mixing, ation, Placing, Compaction, Fini g of concrete. Pumping of concr nts and machineries used in g operations.	shing	Interactive classroom teaching, assignmen quiz, presentatio	the pro the ts, will and on to p	cher will explain contents and vide handouts to students; teacher conduct a quiz give assignments practice their weledge.	10		00		board	outs, cha d, PPT, te , charts, o film.		NIL	
					SCHEME	OF ASSESSMEN	Г								
S. No.		od of Description o	fAsses	ssment	Maximu Marks	Passir	ng Cri	iteria		Res	ources	Requi	red	Exter Inte	•
1	Theory	y exam Equipments and m concreting operation	ranspoi n, Finis Pumpii achiner	rtation, hing and ng of	10	Question pa	per + I	Rating	scale		-	ilk boarc rts, vide			rnal
		A	DITIO	NAL INST	RUCTION	S FOR THE HOD	/ FAC	CULTY	(IF A	NY)				·	
				Part	of end se	mester theory	exan	<u>ו</u>							

				SCHEME FO	R LEARN	ING	I	Branch C	ode	Cour	se Code		CO ode	LO Code	
KGP		oma Wing) Bhopai	OUT	COME		С	0	3				4	2	Format No.
COURS	E NAME	Concrete T	echnology												
CO Des	cription	Carryout va	arious concreting	operations and u	use admixtu	ires.									
	-	-		•				f				- - - - - - - - - - - - - - - - - - -		.f	
LU Des	cription	Explain the	types of form wo				es o	r cons	struc	lion join	ts an	a dele			ncrete.
				S	SCHEME OF	STUDY									
S. No.		Learning	Content	Method of teaching	-	tion of T-L ocess		each Hrs.	Pr	act. /Tut Hrs.	Lf	Rs Req	uired	I	Remarks
1	works for used for f work. Stri works per Joints in c methods f materials	beams, slabs, o orm work, requ pping time for r IS 456. concrete constr for joining old a used for filling n concrete and	•	m Interactive classroom teaching,	will condu	nts and indouts to its; teacher ct a quiz ssignments their	10		00		boa boo	ndouts, ard, PPT ok, char eo film.	⁻ , text ts,	-	ΙIL
				SCH	EME OF AS	SESSMENT									
S. No.		nod of sment	Description	of Assessment	Ν	/laximum Marks		Passi Crite	•	Res	ourc	es Req	uirec	ł	External / Internal
1	Paper p	of ma go pen test fo Jo ma ma	udents will be asked form works for bean aterials used for form ood form work. Stripp rm works per IS 456. ints in concrete cons ethods for joining old aterials used for fillin efects in concrete and	ns, slabs, columns, n work, requirement ing time for remova truction: Types of jo l and new concrete, g joints.	t of al of ints,	15		est pa Rating		Hando text bo		halk bo harts, vi			External
	·			IONAL INSTRUC		THE HOD/	FAC	ULTY	(IF A	NY)					·
				Part of e	nd semeste	er theory e	exam	۱							

	/ / D:		S	CHEME	FOR LEA	RNING	I	Branch	Code	Cou	rse Code	CO Code	LO Cod	le
RGPV		ma Wing) Bhopal		0	итсоме		С	0	З	8		4	3	Format No
COURS	E NAME	Concrete Technology									I			l
CO Des	cription	Carryout various concre	ting o	perations a	nd use adm	ixtures.								
LO Des	cription	Identify and use admixt	ures in	n concrete r	mix as per gi	ven situation	•							
		·			SCHEME	OF STUDY								
S. No.		Learning Content		Method teachir		ription of T-L Process		each Hrs.		Pract. Tut Hrs.	LRs	Requir	ed	Remarks
1	propertie types of a retarding	res in concrete: Purpose, es and application for differe admixture such as accelerat r, water reducing, air entrain r plasticizers.	ing,	Interactive classroom teaching, assignmer quiz, presentat	e the co provid the stu teache a quiz assign	er will explain ntents and e handouts to idents; er will conduct and give ments to se their edge.	06		00)	board book	louts, cl d, PPT, t , charts o film.	ext	NIL
				:	SCHEME OF	ASSESSMENT								
S. No.		od of sment Description	of Asse	essment	Maximum Marks	Passing	g Cri	teria		Res	sources	Requi	red	External Interna
1	Theory	v exam v	ties and lifferen as acce r reduci	d It types of Ierating, ing, air	05	Question p	aper cale	+ Ra	ting		uts, cha book, c filı	harts, v		T, Externa
		Α	DDITIC	ONAL INSTI		OR THE HOD/	FAC	ULT	((IF /	ANY)				
				Part	of end seme	ster theory e	xam	1						

RGPV (Diploma Wing) Bhopal		SCHEME FOR LEARNING					Branch Code				Course Code			LO Code			
RGPV (Diploma Wing) Bhopal			OUTCOME				С	0	3	3			5	1	Format No.		
COURS	E NAME	Concrete Tech	nology						1								
CO Description Explain special concrete, extreme wea						er co	ncreting	and Non de	stru	ctive	testi	ng (N	DT).				
LO Des	cription	Describe vario	ous special co	oncret	e in use.												
		1				S	СНЕМЕ С	OF STUDY									
S. No.		Learning Content			Method teachi			ption of T-L rocess	Teach Hrs.			Pract. /Tut Hrs.		LRs Required			Remarks
1	limitation concrete: Reinforce Concrete	oncrete: Properties of following types Ready mix Concre d Concrete, High p Self-compacting co oncrete, under wate	nt	Interactive classroom teaching, assignmen quiz, presentati	its,	the cont provide the stud will cond		06		00	00		Handouts, chalk board, PPT, text book, charts, video film.			NIL	
	1					SCHE	1	SSESSMENT	-								
S. No.	Io. Method of Assessment Description of Asse			Assess	sment	-	Maximum Marks Pass			Passing Criteria				urces F	Requir	ed	External / Internal
1	Theory	y Exam Students will be asked to Properties, advantages a limitation of following ty Special concrete: Ready of Concrete, Fiber Reinforce Concrete, High performa Concrete Self-compacting and light weight concrete water concrete			nd pes of mix ed ince g concrete		10	Question pap	per + Rating scale			Handouts, chalk board, PP text book, charts, video filr					External
	,	I	ADD	DITION	NAL INST	RUCT	IONS FO	R THE HOD/	′ FAC	CULTY	(IF /	ANY)					
					Part	of en	nd semes	ter theory	exan	า	-	-					

RGPV (Diploma Wing) Bhopal		SCHEME FOR LEARNING					I	Branch C	Code	Co	nurse Code			LO Code			
RGPV (Diploma Wing) Bhopal			OUTCOME				С	0		3			5	2	Format No. Z		
COURS	E NAME	Concrete Te	echnology					I								1	
CO Des	cription	extren	ne weathe	er con	creting	and Non des	struc	tive	test	ing (ND1	Г).						
LO Dese	cription	Select the t	ype of weathe	r conc	reting in t	the gi	ven situa	ation.									
		1				SC	HEME O	F STUDY									
S. No.		Learning Content			Method teachin			otion of T-L ocess	Teach Hrs.			Pract. /Tut Hrs.		LRs Required			Remarks
1	weather of while con Hot weath on concre	d weather concreting: effect of cold other on concrete, precautions to be taken le concreting in cold weather condition. weather concreting: effect of hot weather concrete, precautions to be taken while creting in hot weather condition.			Interactive classroom teaching, assignment quiz, presentatic	ve the cont m provide ;, the stud ents, will cond and give		andouts to nts; teacher uct a quiz assignments e their	06		0	00		Handouts, chalk board, PPT, text book, charts, video film.		/+	NIL
	1				ç	SCHEN		SSESSMENT									
S. No.		od of sment	Description of	Asses	sment	-	laximum Marks Passi			Passing Criteria				ces R	equir	ed	External / Internal
1	Pen & pa	Students will be asked to effect of cold weather of precautions to be taken concreting in cold weat paper Test condition. Hot weather concreting hot weather on concret precautions to be taken concreting in hot weather			on concrete, en while ather ng: effect of ete, en while		10	Test paper	Rating scale Handout text book						Internal		
	1					RUCTI	ONS FOF	R THE HOD/	FAC	ULTY	′ (IF	ANY)					
								Mid Semest			•	-					

	RGPV (Diploma Wing) Bhopal		SC	SCHEME FOR LEARNING					Branch Co	ode	Cour	Course Code			LO Code	
RGPV (Diploma Wing) Bhopal			OUTCOME				С	0	3				5	3	Format No. 4	
COURS	E NAME	Concrete Technology						1							1	
CO Des	cription	Explain special concrete,	extrem	ne weath	er co	ncreting	and Non de	stru	ctive t	estin	g (NDT)	•				
LO Des	cription	Describe the methods of	NDT fo	or the give	en fie	eld situa	tion.									
		1			S	CHEME (OF STUDY									
S. No.		Learning Content				ption of T-L Process	Teach Hrs.			Pract. /Tut Hrs.		LRs Required		d	Remarks	
1	methods Non- dest hammer t hammer a index, Ult IS13311 (ce of NDT, limitations of NDT, of NDT. cructive testing of concrete: Rebo test, working principle of reboun and factor affecting the rebound rasonic pulse velocity test as per part 1 and 2). ation of test results.	d 1	Teacher Interactive the con- classroom provide teaching, the stuc assignments, will con quiz, and give			will explain ents and handouts to ents; teacher duct a quiz e assignments ice their dge	06		00		Handouts, chalk board, PPT, text book, charts, video film.		/+	NIL	
	· ·			:	SCHE	1	SSESSMENT	-								
S. No.		nod of sment Description of	Assess	sment	-	ximum Iarks	Passin	g Cr	iteria		Res	ourc	es Re	quire	ed	External / Internal
1	Theor	y Exam y Exam Students will be ask Importance of NDT, NDT, methods of NI Non- destructive test Rebound hammer t principle of rebound factor affecting the Ultrasonic pulse vel IS13311 (part 1 and Interpretation of test	limitation DT. sting of of est, wor d hammed rebound ocity tes 2).	of concrete: Forking 05 Imer and Ind index, test as per			Question pap	oer +	Ratings	scale	Handouts, chalk board, PPT, text book, charts, video film					External
		·			RUCT		R THE HOD/	Í FAG	CULTY	(IF A	NY)					
				Part	of en	nd seme	ster theory e	exan	n							

RGPV (Diploma Wing) Bhopal				SCHEME FOR LEARNING						Branch C	ode	Со	Course Code CO LO Code Code					
RGPV		ma Win	ig) Bhopal		0	UTC	OME		С	0	3			5	5	4	Format No. 4	
COURS	E NAME	Concrete ⁻	Technology														1	
CO Description Explain special concrete, extrem					me weath	er cor	ncreting	and Non de	struc	tive	testii	ng (NDT).					
LO Dese	cription	Perform N	NDT of concrete	by Re	bound ha	mme	r.											
	I					SC	CHEME O	F STUDY										
S. No.		Learning	g Content		Method teachir		-	otion of T-L rocess		Teach Hrs.		Pract. Tut Hrs.	LF	LRs Required			Remarks	
1 Student should Test.		hould Perfo	ould Perform Rebound hammer			er Lab Teach demonstratio the str n, hands on teache practice' lab demon assignments. compo Stude throug			s to 00 0 b.				boa ma vid mo	Handouts, chalk board, PPT, manual, charts, video film, model, virtual labs.			NIL	
					:	SCHE	ME OF A	SSESSMENT	•									
S. No.	Metho Assess		Description of	Asse	Assessment Maxin Ma			Passin	g Cri	teria		Re	esources Required				External / Internal	
1	Laborato by obser			dents will be asked to perform any of the tests performed.					paper + viva + ing scale			Observation schedule/check-list /rating scales /rubrics				ng	Both	
								R THE HOD/			•	•						
			Par	t of P	ractical Ex	am :	Internal	Marks for P	racti	cal : ()2 M	arks						

Note: 1. Internal practical marks of practical LOs are mentioned in additional instructions.

2. External practical exam will be of maximum 30 marks and any of the practical mentioned in LO's can be assessed.