RGPV (DIPI				RICULUM FOR COURSE	FORM		Sheet No.1/1		
Branch		AR	CHITECTURAL A	ASSISTANTSHIP	Semes	ster	T	HIRD	
<b>Course Code</b>	302		Course Name	BUILDING C	ONSTRU	ONSTRUCTION - I			
Course Outco	ome 1		Student will be able struction work.	lent will be able to present basic drawings for a given tion work.  Teaching Hrs.					
Learning Out	come 1		Student will be able truction on site.	to select right brick for wall	I	1	0	10	
Content	s		s of Brick: Scaled Isome inologies and dimension	etric views of full bricks, brick b s.	ats and close	ers, with	variou	ıs	
Method of Asse	essment			Internal - Sessional ( Lab	work)				
Learning Outcome 2 The Student will be able to draw scaled construction drawings of various forms of brick masonry.						12	12 20		
Contents	S	Types of bonds; Heading, Stretching, English and Flemish bond. Plan, elevation and view of Stretcher brick Bond for 100 mm thick internal wall with key plan. Plan, elevation and section of 200mm thick wall for English and Flemish Brick bonds. Right angled Tee junction of English bonded external and internal wall.							
Method of Asse	essment			External - Theory (Written	Test)				
Learning Out	come 3		Student will be able to draw scaled construction wings of various forms of stone masonry.						
Content	S			n with important terminologic enry for wall construction.	es of Cour	sed Ru	bble,	Uncoursed	
Method of Asse	ssment		:	Internal- Theory (Progressive	Test - I)				
Learning Outcome 4 The Student will be able to suggest different types of wall finishes like Pointing and cladding, as per need.					wall	{	3	10	
Contents  Cement plaster: Sketches of Fixing cladding material like glaze with proposal for right finish for right place. Sketches of types of Pointing - Flush pointing, Cut pointing, V-Tuck pointing, Beaded pointing with utility and suitability for our					V- grooved p	oointing	, key p		
Method of Assessment Internal - Term Work (Report / Portfolio)									

Course Outcome 2	The Student will be able to propose and draw different types of Openings.	Teaching Hrs	Marks				
Learning Outcome 1	The Student will be able to draw various types of arches with all technical terms.	10	10				
Contents	Sketch different shapes of arches- Flat, Semicircular, Segmental. Scaled drawing of Semicircular Brick arch with its important terminologies and dimensions.						
Method of Assessment	External - Theory (Written Test)						
<b>Learning Outcome 2</b>	The student will be able to propose various types of doors in Timber with fixtures required.	10	10				
Contents	Sketch Elevations of different types of doors in wood with suitability.  Detailed Plan, Elevation and Section of Wooden Single leaf maximum twin wood and pressed steel. With fixing details and fixtures required.	vo paneled doc	or, frame				
Method of Assessment	External - Practical						
<b>Learning Outcome 3</b>	The student will be able to propose various types of windows and ventilators in Timber with their construction details.	12	20				
Contents	Sketch Elevations of different types of windows and ventilators with suitability.  Plan, Elevation, Section and details of Wooden Partly glazed-partly paneled and fully glazed window with Fixing details and fixture required. Plan, Elevation, Section and details of top hunged glazed paneled and louvered ventilators with fixing details and fixture required.						
Method of Assessment	External - Theory (Written Test)						
Course Outcome 3	The Student will be able to identify and select different types of design staircase for given height.	f staircases a	nd				
Learning Outcome 1	The student will be able to identify and draw different types of staircases with important details.	6	10				
Contents	Single line sketches of different types of staircase with technical terms – s open well, semicircular and spiral staircase.	straight flight,	quarter,				
Method of Assessment	Internal - Sessional ( Lab work)						
<b>Learning Outcome 2</b>	The student will be able to design R.C.C. doglegged staircase for a given height.	10	10				
Contents	Plan and Section of Dog legged up to first floor (3m) in RCC with calculsteps and all technical terms; tread, riser, railing, mid landing, nosing etc.		per of				
Method of Assessment	Internal- Theory (Progressive Test - II)						

Learning Outcome 3	The student will be able to design composite staircase to reach height of mezzanine floor.	10	10					
Contents	Plan and Section of composite staircase up to mezzanine floor. Calculatio with technical terms; tread, riser, railing mid landing, nosing, material to l details.							
Method of Assessment	External - Theory (Written Test)	External - Theory (Written Test)						
Course Outcome 4	The student will be able to identify different structural compon storey building.	he student will be able to identify different structural components in double orey building.						
Learning Outcome 1	Student will be able to draw complete detailed cross section of a double storey building showing different structural components.	12	20					
Contents	Scaled, dimensioned, labeled and detailed cross section of a double storey building through external wall for Load bearing and through staircase for Frame structure from footing to parapet wall, showing all structural components (isolated or pile footing in RCC, DPC, column, beam, slab, wall, sill, lintel, chajja, door, window) including plastering and mentioning typical dimensions of components and specifying mix/grade of cement mortar/ concrete.							
Method of Assessment	External - Practical							
Course Outcome 5	The student will be able to elaborate on formwork system for R	R.C.C. work.						
Learning Outcome 1	Student will be able to supervise and suggest formwork for given construction work	10	10					
Contents	Material for formwork, erection of form work, scaffolding, and provision of cover in R.C.C. work from site visits (double storied building) and literature survey or internet. Safety factors for quality output required in erection and removal of form work and duration of form work required.							
Method of Assessment	External - Theory (Written Test)	External - Theory (Written Test)						

# **RGPV (Diploma Wing ) Bhopal**

# Scheme for Learning Outcome

ı	Branch Code		c	Course Co	ode	CO Code	LO Code	Format No. <b>4</b>
A	0	6	3	0	2	1	1	

COURSE NAME	BUILDING CONSTRUC	ΓΙΟΝ - I					,				
CO Description	THE STUDENT WILL I	BE ABLE TO PRESENT BASIC D	RAWI	NGS FC	R A G	IVEN	CON	STRU	JCTION	wo	RK.
LO Description	The Student will be able	to select right brick for wall constr	uction o	n site.							

#### **SCHEME OF STUDY**

S. No.	Learning Content	Teaching- Learning Method	Description of T-L Process	Teaching Hrs.	Practical Hrs.	LRs Required	Remarks
1.1.1	Types of Brick: Scaled Isometric views of full bricks, brick bats and closers, with various terminologies and dimensions.	Lecture, construction site visit, market Survey, Group Discussions, Video and Drafting Demonstration.	<ul> <li>Teacher will explain the contents through examples/block models, samples in the material room and provide handouts to students, guide them to study the material on the internet and market survey.</li> <li>The student will observe, note down the key points and draft on drawing sheets scaled isometric view of different brick with terminologies and dimension.</li> </ul>	2	8	Chalk-Board, text book, block models, Stationery, projector, videos, sample drawings	

#### **SCHEME OF ASSESSMENT**

S. N	o. Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	Lab work	Drawing Portfolio	10	Drawing Sheets, Drafting tools	Internal (Lab work)

## ADDITIONAL INSTRUCTIONS FOR THE HOD / FACULTY (IF ANY)

<b>RGPV</b> (Dipl	oma Wing	) Bhopal
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# Scheme for Learning Outcome

E	Branch Cod	ranch Code Course Code			CO Code	LO Code	Format No. <b>4</b>	
A	0	6	3	0	2	1	2	

COURSE I	NAME	BUILDING CONSTRUCTION - I
CO Descr	ription	THE STUDENT WILL BE ABLE TO PRESENT BASIC DRAWINGS FOR A GIVEN CONSTRUCTION WORK.
LO Descr	iption	The Student will be able to draw scaled construction drawings of various forms of brick masonry

#### **SCHEME OF STUDY**

S. No.	Learning Content	Teaching- Learning Method	Description of T-L Process	Teaching Hrs.	Practical Hrs.	LRs Required	Remarks
1.2.1	Types of bonds; Heading, Stretching, English and Flemish bond.		<ul> <li>Teacher will explain the contents and provide handouts to students, guide</li> </ul>			Chalk-	
1.2.2	Plan, elevation, and view of Stretcher brick Bond for 100 mm thick internal wall with key plan.	Lecture, construction site visit, market Survey, Group	them to study the material on the internet, market survey and construction site visit.	2	9	Board, text book, block models,	
1.2.3	Plan, elevation and section of 200mm thick wall for English and Flemish Brick bonds.	Discussions, Video and Drafting Demonstration	• The student will observe, note down the key points and draft on drawing sheets scaled plan, elevation, section	3	9	Stationery, projector, videos, sample	
1.2.4	Right angled Tee junction of English bonded external and internal walls.		and view of Stretching, English & Flemish bond in brick.			drawings	

#### **SCHEME OF ASSESSMENT**

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	Written Test	Drafting exercises, Labeled sketches, objective, short and descriptive questions	20	Drawing Sheets, Drafting tools	<b>External</b> (Theory)

### ADDITIONAL INSTRUCTIONS FOR THE HOD / FACULTY (IF ANY)

# **RGPV (Diploma Wing ) Bhopal**

# Scheme for Learning Outcome

Format No. <b>4</b>	LO Code	CO Code	de	ourse Co	Co	de	Branch Co	I
	3	1	2	0	3	6	0	Α

COURSE NAME	BUILDING CONSTRUCTION - I
CO Description	THE STUDENT WILL BE ABLE TO PRESENT BASIC DRAWINGS FOR A GIVEN CONSTRUCTION WORK.
LO Description	The Student will be able to draw scaled construction drawings of various forms of stone masonry.

#### **SCHEME OF STUDY**

S. No.	Learning Content	Teaching- Learning Method	Description of T-L Process	Teaching Hrs.	Practical Hrs.	LRs Required	Remarks
1.3.1	Plan, elevation and section with important terminologies of Coursed Rubble, uncoursed Rubble and Ashlars fine masonry for wall construction,	Lecture, Educational site visit, Group Discussions, Drafting Demonstration, market Survey	<ul> <li>Teacher will explain the contents and provide handouts to students, guide them to study the material on the internet and market survey.</li> <li>The student will observe and prepare notes, submit a descriptive or comparative study and draft sheet in the given format.</li> </ul>	2	8	Chalk-Board, text book, sample material, Stationery, projector, videos	

#### **SCHEME OF ASSESSMENT**

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	Written Test	Drafting exercises, Labeled sketches, objective, short questions	10	Drawing Sheets, Drafting tools	Internal (Progressive Test-I)

### ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

DCDV/Dist	oma Wina \ Dhonal	Scheme for	В	ranch Cod	de	C	Course C	ode	CO Code	LO Code	<b>A</b>
KGPV (Dipi	oma Wing ) Bhopal	<b>Learning Outcome</b>	A	0	6	3	0	2	1	4	Format No. <b>4</b>
COURSE NAME	COURSE NAME BUILDING CONSTRUCTION - I										
CO Description	ription STUDENT WILL BE ABLE TO PRESENT BASIC DRAWINGS FOR A GIVEN CONSTRUCTION WORK.										
LO Description	LO Description The Student will be able to suggest different types of wall Finishes like Pointing and cladding, as per need.										

S. No.	Learning Content	Teaching- Learning Method	Description of T-L Process	Teaching Hrs.	Practical Hrs.	LRs Required	Remarks
1.4.1	Cement plaster: Sketches of Fixing cladding like glazed tiles & stone tiles on wall with proposal for right finish for right place.  Sketches of types of Pointings: Flush pointing, Cut pointing, V- grooved pointing, key pointing, Tuck pointing, Beaded pointing with utility and suitability for different situations.	Lecture, Educational site visit, Group Discussions, video demonstration, market survey.	<ul> <li>Teacher will explain the contents and provide handouts to students, and guide them for market survey and study material on the internet.</li> <li>The student will prepare notes with supporting photos taken during site visit, market survey or internet. Draw neat labeled sketches wherever required.</li> </ul>	8	-	Chalk-Board, text book, sample material, Stationery, projector, videos	

#### **SCHEME OF ASSESSMENT**

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	Term Work	Drawing portfolio with report	10	Drawing Sheets, Drafting tools	Internal (Term Work )

# ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

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DCDV/Dial	ama Wina \ Dhanal	Scheme for	В	ranch Coo	de	C	Course C	ode	CO Code	LO Code	Д
RGPV (Diploma Wing ) Bhopal		<b>Learning Outcome</b>	A	0	6	3	0	2	2	1	Format No. <b>4</b>
COURSE NAME	COURSE NAME BUILDING CONSTRUCTION - I										
<b>CO Description</b>	otion THE STUDENT WILL BE ABLE TO IDENTIFY AND DRAW DIFFERENT TYPES OF OPENINGS.										
LO Description	LO Description The Student will be able to draw various types of arches with all technical terms.										

S. No.	Learning Content	Teaching- Learning Method	Description of T-L Process	Teaching Hrs.	Practical Hrs.	LRs Required	Remarks
2.1.1	Sketch different shapes of arches- Flat, Semicircular, Segmental.  Scaled elevation of Semicircular Brick arch with its important terminologies and dimensions.	Lecture, Educational site visit, Group Discussions, Drafting Demonstration	<ul> <li>Teacher will explain the contents through examples/block models, samples in the material display workshop and provide handouts to students</li> <li>The student will observe, note down the key points and draft on drawing sheets Scaled elevation of Semicircular Brick arch.</li> </ul>	2	8	Chalk-Board, Block Models, Videos, Projector, sample drawings	

#### **SCHEME OF ASSESSMENT**

S. No.	Method of Assessment	Description of Assessment	Maximu m Marks	Resources Required	External /Internal
1	Written Test	Drafting exercises, Labeled sketches, short and descriptive questions	10	Drawing Sheets, Drafting tools	External (Theory)

## ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

	ome Mine \ Dhenel	Scheme for	В	ranch Co	de	C	Course C	ode	CO Code	LO Code	4
RGPV (Diploma Wing ) Bhopal		<b>Learning Outcome</b>	A	0	6	3	0	2	2	2	Format No. <b>4</b>
COURSE NAME	BUILDING CONSTRUCTION	-1							- -		
CO Description	THE STUDENT WILL BE A	BLE TO IDENTIFY AND DRAW	DIFF	EREN'	г түг	PES O	F OP	ENIN	GS.		
LO Description	The student will be able to propose various types of doors in Timber with fixtures required.										

S. No.	Learning Content	Teaching- Learning Method	Description of T-L Process	Teaching Hrs.	Practical Hrs.	LRs Required	Remarks
2.2.1	Sketch Elevations of different types of doors in wood with suitability.  Detailed Plan, Elevation and Section of Wooden Single leaf maximum two paneled door, frame in wood and pressed steel. With fixing details and fixtures required.	Lecture, Educational site visit, Group Discussions, Drafting Demonstration	<ul> <li>Teacher will explain the contents through examples/block models, samples in the material display workshop and provide handouts to students.</li> <li>The student will observe, note down the key points and draft on drawing sheets.</li> </ul>	2	8	Chalk-Board, Block Models, Videos, Projector, sample drawings	

#### **SCHEME OF ASSESSMENT**

S. No.	Method of Assessment	Description of Assessment	Maximu m Marks	Resources Required	External / Internal
1	Practical	Written test, Viva	20	Drawing Sheets, Drafting tools	External (Practical)

# ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

PCDV /Dipl	oma Wing ) Bhopal	Scheme for	Branch Code			Course Code			CO Code	LO Code	
KGPV (Dipi	oma wing j briopar	<b>Learning Outcome</b>	A	0	6	3	0	2	2	3	Format No. <b>4</b>
COURSE NAME BUILDING CONSTRUCTION - I											
CO Description	THE STUDENT WILL BE A	BLE TO IDENTIFY AND DRAW	DIFF	EREN	г түі	PES	OF OP	ENIN(	GS.		
LO Description	The student will be able to pro	pose various types of windows and	l venti	lators i	in Tin	nber	with th	neir con	ıstructi	on detai	ils.

S. No.	Learning Content	Teaching- Learning Method	Description of T-L Process	Teaching Hrs.	Practical Hrs.	LRs Required	Remarks
2.3.1 2.3.2 2.3.3	Sketch Elevations of different types of windows and ventilators with suitability.  Plan, Elevation, Section and details of Wooden Partly glazed-partly paneled and fully glazed window with Fixing details and fixture required.  Plan, Elevation, Section and details of top hunged glazed paneled and louvered ventilators with Fixing details and fixture required.	Lecture, Educational site visit, Group Discussions, Drafting Demonstration	<ul> <li>Teacher will explain the contents through examples/block models, samples in the material display workshop and provide handouts to students.</li> <li>The student will observe, note down the key points and draft on drawing sheets.</li> </ul>	3	9	Chalk-Board, Block Models, Videos, Projector, sample drawings	

#### **SCHEME OF ASSESSMENT**

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External /Internal
1	Written Test	Drafting exercise, short answers and descriptive questions	20	Drawing Sheets, Drafting tools	External (Theory)

## ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

	ama Wing \ Dhanal	Scheme for		Branch Code			Course Code			LO Code	<b>A</b>
KGPV (Dipi	oma Wing ) Bhopal	<b>Learning Outcome</b>	A	0	6	3	0	2	3	1	Format No. <b>4</b>
COURSE NAME	BUILDING CONSTRUCTION	-1									
CO Description THE STUDENT WILL BE ABLE TO IDENTIFY AND SELECT DIFFERENT TO FOR GIVEN HEIGHT.						YPES	OF S	ΓAIRC	CASES	AND D	DESIGN STAIRCASE
LO Description	The student will be able to iden	ntify and draw different types of st	aircas	es with	impo	ortant	detail	ls.			

S. No.	Learning Content	Teaching- Learning Method	Description of T-L Process	Teaching Hrs.	Practical Hrs.	LRs Required	Remarks
3.1.1	Single line sketches of different types of staircase with technical terms – straight flight, quarter, open well, semicircular and spiral staircase.	Lecture, Educational site visit, Group Discussions, Drafting Demonstration	<ul> <li>Teacher will explain the contents through examples/block models, samples in the material display workshop and provide handouts to students</li> <li>The student will observe, note down the key points and draft on drawing sheets.</li> </ul>	1	5	Chalk-Board, Block Models, Videos, Projector, sample drawings	

#### **SCHEME OF ASSESSMENT**

9	S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
	1	Lab work	Drawing Portfolio	10	Stationary	Internal (Lab work)

## ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

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	RGPV (Diploma Wing ) B		Scl	Scheme for Branch Code			de	Course Code			CO Code	LO Code		<b>A</b>
KGP	יוקוט) א	oma wing ) i	Learni	ing Outcome	ne <i>A 0 6</i>				0	2	3	<b>2</b> Form		at No. <b>4</b>
COURSI	E NAME	BUILDING CONS	STRUCTION - I											
CO Desc	cription	THE STUDENT V FOR GIVEN HEI	WILL BE ABLE TO IDE GHT.	ENTIFY AND SELEC	ΓDIF	FERE	NT TY	PES	OF S	ΓAIRC	SASES A	AND DE	SIGN STA	IRCASE
LO Desc	ription	The student will	be able to design R.C.	C. doglegged staircas	se for	a give	n heig	ght.						
				SCHEME OF	STUD	Y								
S. No.	Learı	ning Content	Teaching-	Description of 1	Γ-L Pr	ocess			ching	1	actical	LRs R	equired	Remarks

S. No.	Learning Content	Teaching- Learning Method	Description of T-L Process	Teaching Hrs.	Practical Hrs.	LRs Required	Remarks
3.2.1	Plan and Section of Dog legged up to first floor (3m) in RCC with calculation of number of steps with technical terms; tread, riser, railing mid landing, nosing.	Lecture, Group Discussions, Drafting Demonstration	<ul> <li>Teacher will explain the contents through examples/block models, samples in the material display workshop and provide handouts to students</li> <li>The student will observe, note down the key points and draft on drawing sheets.</li> </ul>	2	8	Chalk-Board, Block Models, sample drawings, Videos, Projector, Drafting instruments	

#### **SCHEME OF ASSESSMENT**

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	Written test	Drafting exercises, Labeled sketches, objective, short questions	10	Stationery	Internal (Progressive Test-I)

# ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

DCDV/Dial	ome Wing \ Dhenel	Scheme for Branch Code			de	Course Code			Code	Code	<b>A</b>
KGPV (Dipi	oma Wing ) Bhopal	Learning Outcome	A	0	6	3	0	2	3	3	Format No. <b>4</b>
COURSE NAME	BUILDING CONSTRUCTION	-1									
CO Description	THE STUDENT WILL BE AI FOR GIVEN HEIGHT.	BLE TO IDENTIFY AND SELEC	T DIF	FERE	NT TY	YPES	OF S	ΓAIR(	CASES	AND I	DESIGN STAIRCASE
LO Description	The student will be able to o	lesign composite staircase to rea	ich he	ight o	f mez	zanin	e floo	r			

S. No.	Learning Content	Teaching- Learning Method	Description of T-L Process	Teaching Hrs.	Practical Hrs.	LRs Required	Remarks
3.3.1	Plan and Section of composite staircase up to mezzanine floor. Calculation of number of steps with technical terms; tread, riser, railing mid landing, nosing., material to be used and fixing details	Lecture, Group Discussions, Drafting Demonstration	<ul> <li>Teacher will explain the contents and provide handouts to students, guide them to study material on the internet.</li> <li>The student will prepare notes and draft staircase in scale.</li> </ul>	2	8	Chalk-Board, text book, Videos, Projector	

#### **SCHEME OF ASSESSMENT**

S. No.	Method of Assessment	Description of Assessment	Maximum Marks	Resources Required	External / Internal
1	Written Test	Drafting exercise, short answers and descriptive questions	10	Stationery	External (Theory)

## ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

RGPV (Diploma Wing ) Bhopal		Scheme for	Branch Code			Course Code			CO Code	LO Code	
		Learning Outcome A 0 6 3					0	2	4	1	Format No. <b>4</b>
COURSE NAME BUILDING CONSTRUCTI		-1									
<b>CO Description</b>	THE STUDENT WILL BE AF	BLE TO IDENTIFY DIFFERENT	STRU	JCTUF	RAL C	COMP	ONE	NTS II	N DOU	BLE ST	TOREY BUILDING
LO Description	Student will be able to draw	complete detailed cross section	of a	louble	store	ey bui	lding	show	ing dif	ferent	structural components.

S. No.	Learning Content	Teaching- Learning Method	Description of T-L Process	Teaching Hrs.	Practical Hrs.	LRs Required	Remarks
4.1.1	Scaled, dimensioned, labeled and detailed cross section of a double storey building through external wall for Load bearing and through staircase for Frame structure from footing to parapet wall, showing all structural components (isolated or pile footing in RCC, DPC, column, beam, slab, wall, sill, lintel, chajja, door, window) including plastering and mentioning typical dimensions of components and specifying mix/grade of cement mortar/concrete.	Manual Drafting, Educational site visit, Drafting Demonstration	<ul> <li>Teacher will explain the terminologies used in building section drawing through pictures and sample drawings and will explain drafting technique through demonstration.</li> <li>Student will observe and draft the same with all dimensions and nomenclature.</li> </ul>	3	9	Chalk-Board, Drafting instruments and materials, Videos, Projector, Books, magazine and Sample sketches/ drawings	

#### **SCHEME OF ASSESSMENT**

S. No.	Method of Assessment	Description of Assessment	Maximu m Marks	Resources Required	External / Internal
1	Practical	Drawing Exercises, Viva	20	Stationery	External (Practical)

## ADDITIONAL INSTRUCTIONS FOR THE HOD/ FACULTY (IF ANY)

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D C D	//Diala	14	// \ D.b.	Sche	Scheme for Branch Code					ourse Co	ode	CO Code				
KGP	v (Dibio	ma w	ling ) Bh	opai Learnin	Learning Outcome				3	0	2	5	1	Format	at No. <b>4</b>	
COURSE NAME BUILDING CONSTRUCTION				UCTION - I												
CO Description		THE STUDENT WILL BE ABLE TO ELABORATE ON FORM WORK SYSTEM FOR R.C.C. WORK														
LO Description		The Stu	dent will be	able to supervise and s	uggest formwork fo	or give	n cons	tructio	n wo	rk						
					SCHEME OF	STUD	Y									
S. No.	Learning Content			Teaching- Learning Method	Description	on of T-L Process				Teaching Hrs.	Praction Hrs.		LRs Required	Remarks		
5.1.1	form work, s provision of from site vis- building) and internet. Safe output requir	scaffolding cover in I its (double d literature ety factors red in erectors form work	R.C.C. work e storied e survey or s for quality ction and and duration	Lecture, Construction site visit, Group Discussions	<ul><li>and provide guide them the internet.</li><li>The student</li></ul>	ill explain the contents le handouts to students, in to study material on et.  In the will make Report on of site visit and survey.					0			Chalk-Board, text book, Stationery, projector, videos		
					SCHEME OF ASS	ESSIV	ENT								'	
S. No.	Method Assessm	Description of Assessment									imum arks	Resources Required	Externa /Interna			
1	Written '	n Test Sketches, short answers and descriptive questions								1	.0	Stationary	Externa (Theory)			