RGPV(DIPLON WING) BHOPA				RICULUM FOR COURSE	FORM-			eet 5. 1/2	
Branch ARCHI	ГЕСТ	TURE A	AND INTERIOR	R DESIGN	Semester	r	FI	RST	
Course Code	10	2	Course Name	ARCHITECTURA	AL GRAPI	HICS			
Course Outcom	ne1		udent will be able t ent given technical	o use proper drafting te drawing	chniques	Teach Hrs		Marks	
Learning Outco	me 1		ident will be able t ations as a part of d	o perform simple mathe rafting exercises	matical	03		06	
Contents		Calcul	ation of Metric an of length and area u	e of making Graphical S d Foot Scale (two proble used in architectural wor	ems from ea	ch unit)		
Method of Assessn	nent	Writte	n Test						
Learning Outco	me 2		udent will be able t te neatly in the pro	o draw, dimension and per format		15		20	
Contents		headin Types Plane Use of	ngs and subheading of lines and their u scales: drafting Me Engineering Scale	and lettering up to 10mm (s). uses, dimensioning techn etric and Foot Scale (two es in metric and FPS sys plan using different R.F	nique. 9 problems f tem (draft a	from ea	ch u	unit)	
Method of Assessn	nent	Writte	n Test						
Course Outcome	2	graphi	cal form	o present simple geome	Ū	s in 2D	and	1 3D	
Learning Outcor	me1		ident will be able t in a given position	o visualize simple geom n	etrical	17		25	
Contents		paralle termin Projec Termi	elogram, Rhombus ologies, area and v tions, nologies used in Pr	rical shapes (Circle, Squ pentagon, hexagon, octa volume calculations rojections. Orthographic projections of Simple g	agon) and si projection.	mple so	olid	s w. r. t.	
Method of Assessm	nent	Writte	n Test						
Learning Outcor	me2	The student will be able to draft neat and well-composed 2D and 3D Views of simple geometrical objects in a given position5540							
Contents		Drafting of Circle, Square, rectangle, Trapezium, parallelogram, Rhombus pentagon, hexagon, octagon; Orthographic Projections of 2D shapes and simple solids Drafting of 3D views of simple solid objects: Isometric views of Cube, Cylinder, Cone, Sphere, Prisms and Pyramids of Triangle, Square, Pentagon, Hexagon, Octagon; Drafting of Axonometric views (30/60, 45/45) and Oblique views (0/30, 0/45,0/60)of Cube Axonometric views of (45/45) Cylinder, Cone, Pentagon, Hexagonal and Octagon Prism and Pyramid of using proper drafting techniques.							

RGPV(DIP) WING) BH(OBE CURRICULUM THE COURSE	FOR		FORM			eet . 2/2			
Branch A	RCHITE	CTURE AND INTERIOR DE	SIGN	Sem	ester]	FIRS	ST			
Course Code	102	Course Name	ARC	HITEC	FURAL	GRAPH	IIC	8			
Method of Ass	essment	Written Test									
Course Out	come 3	The student will be able to select, appropriate perspective views of and interiors using suitable rende techniques for a presentation draw	solid ob ring eler	jects, buil	ldings	Teach Hrs		Marks			
Learning Ou	utcome 1	The student will be able to select of various factors affecting persp			osition	10		24			
Conte	nts	Perspective Drawing: Types of perspective Drawing: Types of perspective data and principles used in Vision, Eye-level, Horizon Line, sketches	, perspec	ctive drav	ving e.g. S	tation po	oint,	Cone of			
Method of As	ssessment	Written Test									
Learning Ou	utcome 2	The student will be able to draw/s using suitable rendering elements			ate views	50)	30			
Conten	ts	Line Work (5 sheets) Basic line work, with different pencil thickness & intensities H, HB, 2B, 4B, 6B i) Horizontal lines ii) Vertical lines iii) Grid iv) Diagonal lines v) Composition, pattern making in line work (Using different grades of pencils to understand the tonal variation); Graphical representation of finishing and furnishings and common building materials (Fabric, Leather, Carpet, Brick, Stone, Timber, Glass, Grass, Tiles, Plaster) Study of Sciography through sketching of simple geometrical objects. Freehand sketching of simple solids, buildings structures, and indoor spaces including landscaping elements (human figures, furniture and plants, etc.) and shades and shadows in the form of perspective view from images/ photographs. On-site/offsite sketching of the landscape scenes.									
Method of As	sessment	t Written Test, Viva on Drawing Portfolio									
Course Out	tcome 4	sincerity towards learning									
Learning Ou	utcome 1	The student will demonstrate lead activities, and sincerity towards lead	·	team spir	it in group) N	4	5			
Conten	its	Group activities throughout seme	ster as n	nentioned	l under all	Learnin	g Oı	itcomes			
Method of As	sessment	Teacher's observation									

RGPV (D	oiploma V	Ving)	SCHEM	IE FOR L	EARNING	Branch Code		Cour	se Code	CO Code	LO Code	Format
	Shopal	0 /		OUTCON	ME Z	4 0	5	1	0 2	1	1	No. 4
COURSE	NAME	Architect	ural Graphics									
CO Description		The studen	t will be able to use	e proper draftin	g techniques to present gi	ven technic	al drav	ving	g			
LO Description		The studen	t will be able to per	form simple ma	athematical calculations a	s a part of d	lrafting	g ex	ercises			
				SCHEME	C OF STUDY							
S. No.	Learnin	g Content	Teaching – Learning Method	Descript	ion of T-L Process	Teach Hrs.	Pra /T Hu	ut		Rs Req	uired	Remarks
Plane scales: Significance of making Graphical Scales, reducing and enlarging, Calculation of Metric and Foot Scale (two problems from each unit)			Collective Discussion, Lecture, practice exercises	 Teacher will various readiscussions. Teacher will graphical scaland calculatiscale. Students wis same and de exercises. 	02	0		Eng	Chalk-B ineering nple Dra Station	Scales, wings,	3 Marks	
1.2	Units of lengused in arch works in SI their conver	itectural and FPS and	Collective Discussion, Lecture, practice exercises	objects in im	ill conduct conversion ough measurement of small mediate surroundings. participate actively.	01	0	0				3 Marks
	·			SCHEME OF	ASSESSMENT		•					
S. No.		nod of sment	Description of	Maximum Marks	Resources Required						External / Internal	
1	Written Tes	t	Drafting exercises	Drawing Sheets, Drafting tools Extern (Theo								
		ADD	TIONAL INST	RUCTIONS F	OR THE HOD/ FAC	JLTY (IF	ANY)				(
				-								

RGPV (I	Diploma W	Ving)	SCHEM	IE FOR LEARNIN	G	ŀ	Branch Code	Co	ours	e Cod	le	CO Code	LO Code	Format
	Bhopal	U /		OUTCOME		A	0 5	5 1		0	2	1	2	No. 4
COURSE	E NAME	Architect	ural Graphics				· · · · ·							
CO Description	l	The student	t will be able to use	e proper drafting techniques to	o present g	ive	n technical	drawi	ng					
LO Description	L	The student	t will be able to dra	aw, dimension and annotate ne	eatly in the	pro	per format							
				SCHEME OF STUDY	7									
S. No.	Learning	Content	Teaching – Learning Method	Description of T-L Process	Teach Hrs.	/	Pract. Tut Hrs.]	LF	Rs R	lequ	uired		Remarks
1.1	Freehand letter 10mm height for various he	Sheet Formatting, Freehand lettering up to 10mm height (text size for various headings and subheadings)Lecture, Demonstration,		• Demonstration by teacher the method of using different tools of architectural drawing, Sheet Formatting, Freehand lettering. The student will follow the same.			03					ationery gs, Bool		2 Marks
1.2	1.2 Types of lines ar uses, dimensioni technique		Lecture, Demonstration	 Demonstration by teacher the method of drawing Types of lines and their uses, dimensioning technique. Teacher will explain with the help of example drawings. Students will observe/note down the same. 			04					ationery gs, Bool		6 Marks
1.3	Plane scales: Metric and Fo (two problem unit)	oot Scale	Lecture, Demonstration	Teacher will demonstrate drafting of scales and students will do practice exercises under the guidance of teacher.			06	Chall Samp				tationer gs	у,	10 Marks

1.4	Use of Engineering Scales in metric and FPS system (draft a piece of furniture e.g. table, bed, cabinet in the plan using different R.F.)	Lecture, Demonstration	Teacher will de the drafting of furniture and s draft under the teacher.	f a piece of students will e guidance of		02	Chalk-Board , Stationery, Sample Drawings	2 Marks
			SCHEME OF	ASSESSM	ENT			
S. No.	Method of Assessment	Description of	Assessment	Maximur	n Marks	R	esources Required	External / Internal
1	Written Test	Drafting exercises		20)	Drawing She	Internal	
	ADD	ITIONAL INST	RUCTIONS F	FOR THE H	OD/ FACU	ULTY (IF A	NY)	

R	RGPV (Diploma Win Bhopal			SC	HEME FOR	В	Branch Co	ode	Co	urse C	ode	CO Code	LO Code	
		-	0 /	LEARN	ING OUTCOME	A	0	5	1	0	2	2	1	Format No. 4
	URSE ME	Architectural G	raphics	•				•			-			-
CO Des	scription	The student will b	e able to	present simple g	eometrical objects in 2D and 3	BD gra	aphica	l forn	1					
LO Des	cription	The student will b	e able to	visualize simple	geometrical objects in a given	posi	tion							
		•			SCHEME OF STUDY									
S. No.	Lear	ning Content		eaching – ning Method	Description of T-L Proc	ess	Teac Hrs.		Pract. ut Hr		LRs	Requ	ired	Remarks
1.1	shapes (C rectangle, parallelog pentagon, and simpl terminolo	various geometrical ircle, Square, Trapezium, gram, Rhombus hexagon, octagon) e solids w. r. t. gies, area and alculations	metrical re, h, bottagon)Lecture, Group GroupTeacher will explain various geometrical shapes and simple solids w. r. t. terminologies, ar and volume calculations with help of appropriate models and images. The student will obser							В	Board,	ok, Ch Block I , Projec	Models	9 marks
1.2		ogies used in 1s. Orthographic			Teacher will explain the terms used in Projections with help of various real life familiar examp like Movie Theatre etc. The meaning of orthographic projections, and its use. The student will observe and note down the key points		2							4 Marks

First angle Orthographic projections of Simple geometrical shapes and simple solids	of simple object the students van to them used wh their position. P various position students how to different planes The student will and sketch same	ts and explain to rious terms related nile referencing Place the object in as and explain the visualize it on l observe, compare e object in different			12 Marks
	SCHEME OF	ASSESSMENT			
Method of Assessment	Description of Assessment	Maximum Marks	Resources	Required	External / Internal
Written Test	Short answers, Drafting exercises	25	Drafting instruments, St	tationery	Internal
<u> </u>	DITIONAL INSTRUCTIONS FO	DR THE HOD/	 FACULTV (IF ANV	7)	<u> </u>
	projections of Simple geometrical shapes and simple solids Method of Assessment Written Test	projections of Simple geometrical shapes and simple solids of simple object the students value to them used with their position. P various position students how to different planes The student wil and sketch same positions on ref SCHEME OF Method of Assessment Description of Assessment Written Test Short answers, Drafting exercises	projections of Simple geometrical shapes and simple solidsof simple objects and explain to the students various terms related to them used while referencing their position. Place the object in various positions and explain the students how to visualize it on different planes. The student will observe, compare and sketch same object in different positions on reference planesMethod of AssessmentDescription of AssessmentMaximum MarksWritten TestShort answers, Drafting exercises25	projections of Simple geometrical shapes and simple solidsof simple objects and explain to the students various terms related to the mused while referencing their position. Place the object in various positions and explain the students how to visualize it on different planes. The student will observe, compare and sketch same object in different positions on reference planesImage: Compare omega SCHEME OF ASSESSMENTMethod of AssessmentDescription of AssessmentMaximum MarksResourcesWritten TestShort answers, Drafting exercises25Drafting instruments, S	projections of Simple geometrical shapes and simple solids of simple objects and explain to the students various terms related to them used while referencing their position. Place the object in various positions and explain the students how to visualize it on different planes. The student will observe, compare and sketch same object in different positions on reference planes SCHEME OF ASSESSMENT Method of Assessment Description of Assessment Maximum Marks

R	RGPV (Diploma W Bhopal		lg)	SC	HEME FOR	В	Branch Cod	le	С	ourse Co	ode	CO Code	LO Code		
]	Bhopal		LEARN	ING OUTCOME	A	0	5	1	0	2	2	2	Format No. 4	
	URSE ME	Architectural G	raphics												
CO Des	scription	The student will b	e able to p	present simple g	eometrical objects in 2D and 3	D gra	aphical	form							
LO Des	cription	The student will b	e able to a	lraft neat and w	ell-composed 2D and 3D View	s of	simple	geom	etrica	l obje	ects in	a give	n posi	tion	
					SCHEME OF STUDY										
S. No.	Lear	ning Content		aching – ing Method	Description of T-L Proce	ess	Teach Hrs.		ract. 1t Hr		LRs	Requ	ired	Remarks	
1.1	Drafting of Circle, Square,		Demonst Group La	ration, Peer earning	Teacher will demonstrate the method of drafting various geometrical shapes in a given position through videos, block models of solid objects and man drafting. Students will observe draft using appropriate drafting instruments.	and			9 Drafting inst and material Models, Cha Board, Vide						
1.2		phic Projections of s and simple solids	Demonst Group L	ration, Peer earning	Teacher will demonstrate the method of drafting orthographic projections of 2D shapes and simple solids in a given position through videos, block models o solid objects and manual draftin Students will observe and draft using appropriate drafting instruments.	n f			20	an M B P	nd ma Iodels oard,	g instru terials, , Chalk Videos, or, Sam gs	Block	12 Marks	

1.3	Drafting of 3D views of simple solid objects:Isometric views of Cube, Cylinder, Cone, Sphere, Prisms and Pyramids of Triangle, Square, Pentagon, Hexagon, Octagon; Drafting of Axonometric views (30/60, 45/45) and Oblique views (0/30, 0/45,0/60) of Cube Axonometric views of (45/45) Cylinder, Cone, Pentagon, Hexagonal and Octagon Prism and Pyramid of using proper drafting techniques.	Demonstration, Peer Group Learning	Views of obj position throu models of solid drafting. Studen	demonstrate the afting various 3D ects in a given gh videos, block objects and manual its will observe and opropriate drafting		26	Drafting instruments and materials, Block Models, Chalk- Board, Videos, Projector, Sample drawings	20 Marks
	11	S	CHEME OF	ASSESSMENT		1	1	_
S. No.	Method of Assessment	Description of A	Assessment	Maximum Marks		Resources	Required	External / Internal
	Written Test	Short answers, Drafting	exercises	40	Drafting i	nstruments, S	Stationery	External (Theory)
	A	DDITIONAL INSTR	UCTIONS FO	DR THE HOD/ 1	FACULI	TY (IF AN	Y)	1
Teacher	should focus on a more practical	and participatory approach	to develop interes	st in the students to a	adopt new 1	technique of	visualization and preser	tation

RC	GPV (I	Diploma Win	g)	S	CHEME FO	R	В	Branch Co	ode	C	ourse C	ode	CO Code	LO Code		1
]	Bhopal		LEAF	NING OUT	COME	A	0	5	1	0	2	3	1	For	mat No. 4
	JRSE ME	Architectural G	raphics								•		•			
CO Des	cription				and sketch appropria presentation drawin		viev	vs of s	olid ol	bjects	, buile	lings	and in	teriors	using	suitable
LO Dese	cription	The student will be	e able to s	elect the app	propriate position of	various factor	s affe	ecting	perspe	ective	draw	ing				
					SCHEME (OF STUDY										
S. No.	Lear	ning Content	Lea	ching — rning ethod	Description of T	-L Process		ach rs.	Pra /Tut	act. Hrs.		LR	s Req	uired		Remarks
1	Perspective Drawing: Types of perspective views and their uses, understanding of basic terms and principles used in perspective drawing e.g. Station point, Cone of Vision, Eye-level, Horizon Line, Vanishing points through the study of pictures and sketches			scussions, Guided on- rience	 Teacher will encour in groups to relate a the previous knowl views with photogr and self-visual exp spaces and objects. Teacher will explain terminologies and p perspective drawing schematic drawing outdoor examples 	and compare edge of 3D raphic images erience of in the principles of g through	()5	0	95	Pro and	jector. I Samp	ole	deos, , Maga gs, Moo		
					SCHEME OF A	SSESSMEN	T	1								
S. No.	Metho	od of Assessment	De	escription	of Assessment	Maximun Marks	n		Re	sour	ces R	equir	·ed			xternal / Internal
	Written T	est	Quiz/ answer		e questions/ Short	24	;	Station	ery						Exte	rnal (Theory)
		A		DNAL INS	TRUCTIONS FO	R THE HO	D/ F	ACUI		(IF A	NY)					

R	RGPV (Diploma Win Bhopal	oloma Wing	g)	S	CHEME FOR	В	Branch C	ode	С	ourse Co	ode	CO Code	LO Code		4
	` ▲	· •		EAR	NING OUTCOME	A	0	5	1	0	2	3	2	For	mat No. 4
	IIRSE	rchitectural G	aphics			1	1		1		1			ł	
CO Des	verintion				and sketch appropriate perspective presentation drawing	e viev	vs of s	olid ol	ojects	, builc	dings a	and int	eriors	using	suitable
LO Des	scription Th	he student will be	able to draw/s	ketch	proportionate views using suitable	e rend	lering	eleme	nts an	d tech	nnique	s			
					SCHEME OF STUDY										
S. No.	Learnin	ng Content	Teaching Learning Method		Description of T-L Process				Tut Hrs.			s Req	uired		Remarks
1.1	o.Learning ContentLine Work (5 sheets) Basic line work, with different pencil thickness & intensities H, HB, 2B, 4B, 6B i) Horizontal lines ii) Vertical lines iii) Grid iv) Diagonal lines v) Composition, patterr making in line work (Using different grades of pencils to understand the tonal variation); Graphical representation of finishing and furnishings and common building materials (Fabric, Leather, Carpet, Brick, Stone Timber, Glass, Grass, Tiles, 		Demonstration, Group Learning		Teacher will demonstrate the method of drawing various patterns and graphical representation of materials through videos, books, magazines, and manually. Students will observe and sketch/draw the same.				15	mat Vid mag	terials, leos, P gazine	nstrum Chalk rojecto and Sa lrawing	-Board r, Bool mple	1,	3 Marks
1.2			Demonstration, Experiment (Learning by do	ing)	Teacher will instruct the students to observe the change in shade and shadow of various geometrical block models placed under direct natural/ artificial light in different positions w.r.t.			1	0		ock mo terial	dels, D	rawing	2	9 Marks

1.3	Freehand sketching of simple solids, buildings structures, and indoor spaces including landscaping elements (human figures, furniture and plants, etc.) and shades and shadows in the form of perspective view from images/ photographs. On-site/offsite sketching of the landscape scenes.	35	Sketching instruments materials, Chalk-Board Videos, Books, magazi and Sample sketches/drawings	d,	18 Marks				
			SCHEME OF A						
S. No.	Method of Assessment	Description	of Assessment	Maximum Marks		Resource	es Required		xternal / nternal
	Written Test, Viva on Drawing Portfolio	Drawing Assignmen	ıt	30	Draftin	ig instruments	, Drawing stationery,	Exte (Prac	rnal ctical)
	Α	DDITIONAL INS	TRUCTIONS FO	R THE HOD/	FACU	LTY (IF A)	NY)		
	tter should give proper weightage should be more innovative in fran								

RGPV (Diploma Wing) Bhopal				SCHEME FOR LEARNING OUTCOME			Branch Code				Course Code C			LO Code			
							0	5	5 1		0 2 4			<i>1</i> Form		at No. 4	
	URSE ME	Architectural G	itectural Graphics														
CO Description		The student will demonstrate leadership, team spirit in group activities, and sincerity towards learning															
LO Des	cription	The student will demonstrate leadership, team spirit in group activities, and sincerity towards learning															
					SCHEME OF STUDY												
S. No.	Lear	Learning Content		ching – arning ethod	Description of T-L Process				ract. t Hrs. LR			s Required				Remarks	
	Group activities throughout semester as mentioned under all Learning Outcomes		Group activities		As mentioned under all Learning Outcomes	As mentioned under all L					Learning Outcomes						
					SCHEME OF ASSESSME	NT										I	
S. No.	Metho	od of Assessment		Description of Assessment				Maximum Marks			Resources Required				External / Internal		
	Teacher's	observation	Teacher will assess student's performance based on: 1. Participation of student as individual/in a group (Leader as well as a team member) 2. Peer group learning attitude 3. Timely submission 4. Attendance			05				A	Assessment Rubrics				Internal		
	1	A		ONAL INS	STRUCTIONS FOR THE HO	D/ F	ACU	LTY	(IF A	NY)					L		
Teacher	is expected		evaluation	and keep up	criteria mentioned for assessment. dating with their marks as well as end	courag	ging stu	idents	for be	tter pe	rform	ance.					