

BOARD OF TECHNICAL EXAMINATIONS, GOA STATE
Diploma in Architectural Assistanship

(2056) GRAPHICS I

Pre-requisite							Theory Marks:	100
Lectures per week (hrs):				Nil			(One paper 3 hrs)	
Practicals per week (hrs):				6 hrs			Prog. Ass. Marks:	50
Course Credits				06			Pract. Exam Marks:	
Semester	Theory	Test	Total	TW	PR	Gr Total	Total	150
	-	-	-	50	50	100		

Rationale: Proficiency in drawing is the basic need of Architectural Assistant. The Curriculum is so developed so as to make the student perfect in all aspects from drafting Techniques to advanced Techniques of representing the ideas in the drawing form.

Sr. No.	Course Content	Hrs.	Marks
1.	Introduction and use of drafting tools (Minidrafter, T-square, drafting machine, set squares, scales, pencil, rapidograph, stencils)	6	-
2.	Drafting Techniques with the use of scales	6	-
3.	Lettering :- - Freehand Architectural lettering - Study of various fonts like Roman, Gothic, etc.	12	15
4.	Plane Geometry - Basic geometrical constructions - Construction of regular polygons. - Construction of regular geometrical curves (Parabola, Hyperbola, Ellipse, cycloids, Involute)	24	30
5.	Orthographic projections - Projection of points, lines, planes - Projection of primary solids and simple composite solids (only with axis perpendicular or parallel to the reference plane)	36	40
6.	Section of primary solids & simple Composite solids	12	15

Term work

01. Sheet on use of scale in drawing
02. Sheets on lettering
03. Sheets on plane geometrical Construction
02. Sheets on projection of lines & planes
04. Sheets on projection of solids
01. sheet on sections of solids

Reference Books:-

1. Architectural drafting and design - Helper and vallach.
2. Architectural Abbreviation Dictionary
3. Elementary Engineering Drawing -N. D. Bhan
4. Architectural Drawings - Harvey - Waffle