

GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma in Architectural Assistantship

Semester: II

Subject Name: **Architectural Drawing II**

Subject Code: **320054**

Teaching Scheme				Evaluation Scheme		
Theory	Tutorial	Practical	Total	University Exam (Theory) (E)	Mid Sem Exam (Theory) (M)	Internal Assessment (I)
0	0	8	8	0	0	100

Rationale:

Architecture drawing-II is a subject which develops the ability of visualization of object in 3 dimension by studying the given plan, elevation and side elevation. It also develop the skill to draw the object in isometric projection and Axonometric projection. Sciography is skill of drawing the shadow of the object in two dimensional projections visualizing the missing third dimension. This skill of visualization is very much useful in presentation area. The skills which are developed in Architecture Drawing-I are to be used in developing the sketch plan which ultimately useful in presentation area. Further, this topic also develops the ability of computing the dimensions and represent us them in correct mode.

Topic No.	Name of Topic	No. of Hours		
		Lect.	Pract.	Total
1.	One sheet(A size) an Axonometric view (6 Program)	–	18	18
2.	Five sheets (A size) on isometric view (6 Problem)	–	42	42
3.	Four sheets (A size) on sciography (6 problems each)	–	32	32
4.	Two sheets (A size) tracing paper of development of sketch one in pencil and one in ink	–	20	20
	Total	–		112

T.R.S & EO's

- 1.1 Trace building drawing using pencil & ink.

EO's

- 1.1 Handle various drafting instruments.
- 1.2 Use different drawing materials.
- 1.3 Fix the drawing sheet, tracing paper prepared drawings properly on drawing board.
- 1.4 Dimension, re-draw and alter the original drawing. of the given building
- 1.5 Draw isometric view of the given object
- 1.6 Draw axonometric view of the given object
- 1.7 Draw sciography in the given

Sr. No.	Course Content:
1.	Topic -1 THEORY: 1.1 ISOMETRIC & AXONOMETRIC VIEWS: 1.2 Develop the concept of pictorial drawing. 1.3 State the advantage and limitation of orthographic projection. 1.4 Draw and practice the Isometric and Axonometric views of geometrical forms, building components and furniture. 1.5 Differentiate between Isometric & Axonometric views, state the advantage of both. Prepare Isometric scale.
2.	Topic -2 SCIOGRAPHY: 2.1 Draw and practice Sciography of geometrical planes & Solids composed objects and building components.
3.	Topic-3 DEVELOPING OF GIVEN SKETCH TO APPROPRIATE SCALE: 3.1 Developing of a given sketch to a appropriate scale showing: 3.1.1 Doors & Windows 3.1.2 Wall thickness 3.1.3 Centre to Centre dimensions 3.1.4 Out to Out dimensions 3.1.5 Clear dimensions of rooms 3.1.6 Quality of line 3.1.7 Lettering 3.1.8 Assumption of appropriate dimension 3.1.9 Appropriate use of conventional signs

Term Work:

1. One Sheet (A size) on Axonometric view containing 6 problems.
2. Five sheets (A size) on Isometric view containing 6 problems each
3. Four sheets (A size) on Sciography containing 6 problems each.
4. Two sheets (A size) tracing papers of development of sketch one in pencil and one in ink.

Reference Books:

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| 1. Elementary Engineering Drawing | - N.D.Bhatt |
| 2. Architectural Drawing | - Harvey W Waffle |
| 3. Architectural Drafting and Design | - Helper & Wallach |
| 4. Sciography | - John M. Holmes. |
| 5. Architectural Illustration and Presentation | - Kuckein. |