Chapter 1 : Conventions and Symbols 1-1 to 1-16

Syllabus :

- Conventions as per IS 962-1989, symbols for different materials such as earthwork, brickwork, stonework, concrete, woodwork and glass used in civil engineering. Construction, Graphical symbols for door and window, Abbreviations, symbols for sanitary and electrical installations.
- Types of lines - visible lines, centre line, hidden line, section line, dimension line, extension line, pointers, arrow head or dots. Appropriate size of lettering and numerals for Titles, sub titles, notes and dimensions.
- Types of scale - Monumental, Intimate, criteria for Proper Selection of scale for various types of drawing.
- Sizes of various standard papers/sheets.
- Reading and interpreting readymade Architectural building drawing. (To be procured from Architect, Planning Consultants, Planning Engineer).

Chapter 2 : Planning of Building 2-1 to 2-51

Syllabus :

- Principles of planning of Residential and Public building - Aspect, Prospect, Orientation, Grouping, Privacy, Elegance, Flexibility, Roominess, Circulation, Furniture requirements, Sanitation, Economy.
- Space requirement and norms for minimum dimension of different units in the residential and public buildings as per IS 962-1989.
- Rules and bye-laws of sanctioning authorities for construction work.
- Plot area, built up area, super built up area, plinth area, carpet area, floor area and FAR (Floor Area Ratio) / FSI
- Line plans for residential building of minimum three rooms including w/c, bath and staircase as per principles of planning.
- Line plans for public building-school building, primary health centre, restaurant, bank, post office, hostel, Function Hall and Liabrary.

Chapter 4 : Types of Drawings 4-1 to 4-33

Syllabus :

- Drawing of Two storey Framed Structure (G+1) residential building (2 BHKD) with staircase.
- Data drawing - developed plan, elevation, section, site plan, schedule for openings, construction notes with specifications, area statement. Planning of staircase - Rise and Tread for residential and public building.
- Working drawing of framed Structure - developed plan, elevation, section passing through staircase or w.c. and bath.
- Foundation plan of Framed Structure
- Details of RCC footing, column beam Chajjas and Lintel, Staircase.
- Drawing with CAD- Draw commands, modify commands, layer commands.

Chapter 5 : Perspective Drawing 5-1 to 5-35

Syllabus :

- Definition, Types of perspective, terms used in perspective drawing, principles used in perspective drawing.
- Two Point Perspective of small objects such as steps, monuments, pedestals.

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