



BUILDING CONSTRUCTION



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ABOUT THE BOOK

This well-known text-book provides an up-to-date account of the basic knowledge of Building Construction. The subject matter is expressed in a simple language and practical manner. The treatment is clear, methodical as well as interesting and easy to follow.

The entire subject matter is systematically arranged in the chapters like: Introduction; Functional Planning of Buildings; Important Building Components; Site Investigation and Ground Techniques; Foundations; Deep Excavations; Deep Foundations (Pile Foundations); Cofferdams; Caissons; Stone Masonry; Brick Masonry; Structures in Brickwork; Partitions; Scaffolding, Shoring and Underpinning; Damp-proofing, Water-proofing and Termite-proofing; Cement Concrete Construction; Arches; Lintels; Stairs; Formwork; Doors, Windows and Ventilators; Carpentry and Joinery; Floors and Flooring; Roofs; Pointing and Plastering; Painting, Varnishing and Distempering etc.; Structural Steelwork; Acoustics; Fire Protection in Buildings; Ventilation and Air-conditioning; Construction Equipments; CPM and PERT.

Part 1 and Part 2 of this book is merged and all the chapters are rearranged to maintain continuity. The chapters Introduction, Functional Planning of Buildings and Important Building Components are totally new and are included as per new syllabus. Also chapter of Site investigation and ground techniques is separated from the chapter of Foundation. In the chapter of Construction Equipments, almost all the types of construction equipments and machineries which are normally used in civil engineering projects have been included. A few new problems on CPM and PERT are also added.

The book in its 32 chapters now contains:

- * 860 Self-explanatory and neatly drawn sketches
- * 115 Useful tables
- * 60 Solved problems
- * 575 Questions at the ends of all the chapters.

The book should prove to be extremely useful to the Engineering students preparing for the Degree Examinations of all the Indian Universities, Diploma Examinations conducted by various Boards of Technical Education, Certificate Courses as well as for the A.M.I.E., U.P.S.C., G.A.T.E., I.E.S. and other similar competitive and professional examinations. It is also useful for the preparation of NATA (National Aptitude Test for Architecture), CEPT (Centre for Environmental Planning and Technology), SBST (School of Building Science and Technology), SID (School of Interior Design), AIEEE (Architecture), etc. It should also prove of interest to the practising professionals.

CONTENT

- 1: INTRODUCTION
 - 2: FUNCTIONAL PLANNING OF BUILDINGS
 - 3: IMPORTANT BUILDINGS COMPONENTS
 - 4: SITE INVESTIGATION AND GROUND TECHNIQUES
 - 5: FOUNDATIONS
 - 6: DEEP EXCAVATIONS
 - 7: DEEP FOUNDATIONS (PILE FOUNDATIONS)
 - 8: COFFERDAMS
 - 9: CAISSONS
 - 10: STONE MASONRY
 - 11: BRICK MASONRY
 - 12: STRUCTURES IN BRICKWORK
 - 13: PARTITIONS
 - 14: SCAFFOLDING, SHORING AND UNDERPINNING
 - 15: DAMP-PROOFING, WATER-PROOFING AND TERMITE-PROOFING
 - 16: CEMENT CONCRETE CONSTRUCTION
 - 17: ARCHES
 - 18: LINTELS
 - 19: STAIRS
 - 20: FORMWORK
 - 21: DOORS, WINDOWS AND VENTILATORS
 - 22: CARPENTRY AND JOINERY
 - 23: FLOORS AND FLOORING
 - 24: ROOFS
 - 25: POINTING AND PLASTERING
 - 26: PAINTING, VARNISHING AND DISTEMPERING, ETC.
 - 27: STRUCTURAL STEELWORK
 - 28: ACOUSTICS
 - 29: FIRE PROTECTION IN BUILDINGS
 - 30: VENTILATION AND AIR-CONDITIONING
 - 31: CONSTRUCTION EQUIPMENTS
 - 32: CPM AND PERT
- BIBLIOGRAPHY
INDEX

Catalogue Checklist

BUILDING CONSTRUCTION
DETAILED CONTENTS

Chapter 1 INTRODUCTION

- 1-1. General
- 1-2. Types of buildings
 - 1-2-1. Group A: Residential buildings
 - 1-2-2. Group B: Educational buildings
 - 1-2-3. Group C: Institutional buildings
 - 1-2-4. Group D: Assembly buildings
 - 1-2-5. Group E: Business buildings
 - 1-2-6. Group F: Mercantile buildings
 - 1-2-7. Group G: Industrial buildings
 - 1-2-8. Group H: Storage buildings
 - 1-2-9. Group I: Hazardous buildings
- 1-3. Structural system of building
- 1-4. Comparison of load bearing structure with framed structure
- 1-5. Loads on foundations
- Questions 1

Chapter 2 FUNCTIONAL PLANNING OF BUILDINGS

- 2-1. General
- 2-2. Principles of Site Selection
- 2-3. Site Plan
- 2-4. Planning regulations and bye-laws
- 2-5. Principles of planning
- 2-6. Modern architecture
- 2-7. Main considerations of architectural design
 - 2-7-1. Bye-laws of the locality
 - 2-7-2. Climate and its effects
 - 2-7-3. Materials and methods of construction
 - 2-7-4. People and their requirements
- 2-8. Orientation
- 2-9. Essential factors of planning
- Questions 2

Chapter 3 IMPORTANT BUILDINGS COMPONENTS

- 3-1. General
- 3-2. Basic functional requirements of a building
- 3-3. Important Building Components
- Questions 3

Chapter 4 SITE INVESTIGATION AND GROUND TECHNIQUES

- 4-1. General
- 4-2. Depth of exploration
- 4-3. Methods of site exploration
- 4-4. Choice of the method
- 4-5. Bearing Capacity of soil
- 4-6. Methods for determining the bearing capacity of soil
- 4-7. Increasing the bearing capacity of soil
- Questions 4

Chapter 5 FOUNDATIONS

- 5-1. General
- 5-2. Objects of foundations
- 5-3. Essential requirements of a good foundation
- 5-4. Shallow foundations
- 5-5. Design of shallow foundations
- 5-6. Special foundations
- 5-7. Eccentric loading on foundation
- 5-8. Combined footing
- 5-9. Cantilever footing
- 5-10. Continuous footing
- 5-11. Foundations of black cotton soil
- 5-12. Stepped foundations
- 5-13. Foundations on reclaimed soil or made-up ground
- 5-14. Foundations on cavities and old wells
- 5-15. Foundations near existing adjacent old structures
- 5-16. Foundations for machines
- 5-17. Causes of failure of foundations and Preventive measures
- 5-18. Method of setting out the foundation trenches
- Questions 5

Chapter 6 DEEP EXCAVATIONS

- 6-1. Definition
- 6-2. Problems of deep excavations
- 6-3. Some terms in timbering
- 6-4. Methods of timbering
- 6-5. Precautions to be taken during timbering
- 6-6. Dewatering of the foundation trenches
- Questions 6

Chapter 7 DEEP FOUNDATIONS (PILE FOUNDATIONS)

- 7-1. General
- 7-2. Uses of piles
- 7-3. Types of piles
- 7-4. Load bearing piles
- 7-5. Materials used in construction of load bearing piles
- 7-6. Cast-iron piles
- 7-7. Cement concrete piles
 - 7-7-1. Cast-in-situ concrete piles
 - 7-7-2. Pre-cast concrete piles
- 7-8. Sand piles
- 7-9. Steel piles
- 7-10. Timber piles
- 7-11. Wrought-iron piles
- 7-12. Non-load bearing piles
- 7-13. Choice of type of pile
- 7-14. Composite piles
- 7-15. Screw piles
- 7-16. Pile spacing
- 7-17. Group of piles
- 7-18. Efficiency of group of piles
- 7-19. Pile cap and pile shoe
- 7-20. Load tests on piles
- 7-21. Pile driving
 - 7-21-1. Pile frames
 - 7-21-2. Pile hammers
 - 7-21-3. Leads
 - 7-21-4. Winches
 - 7-21-5. Miscellaneous
- 7-22. Pulling of piles
- 7-23. Loads on piles
- 7-24. Causes of failures of piles
- 7-25. Pile driving formulas
- 7-26. Typical problems using pile driving formulas
- Questions 7

Chapter 8 COFFERDAMS

- 8-1. General
- 8-2. Uses of cofferdams
- 8-3. Types of cofferdams
 - 8-3-1. Dikes
 - 8-3-2. Single wall cofferdams
 - 8-3-3. Double wall cofferdams
 - 8-3-4. Cellular cofferdams
 - 8-3-5. Rock-filled crib cofferdams
 - 8-3-6. Concrete cofferdams
 - 8-3-7. Suspended cofferdams
- 8-4. Prevention of leakage in cofferdams
- 8-5. Puddle for cofferdam
- 8-6. Factors affecting design of a cofferdam
- Questions 8

Chapter 9 CAISSONS

- 9-1. General
- 9-2. Uses of caissons
- 9-3. Cofferdam and caisson
- 9-4. Materials used for the construction of caissons
- 9-5. Classification of caissons
- 9-6. Box caissons
- 9-7. Wells
- 9-8. Pneumatic caissons

BUILDING CONSTRUCTION
DETAILED CONTENTS

- 9-9. Construction of a pneumatic caisson
- 9-10. Pneumatic caisson sickness
- 9-11. Drilled caissons
- 9-12. Methods of construction of drilled caisson
- 9-13. Precautions during construction of drilled caisson
- 9-14. Loads on caisson
- 9-15. Floating of caissons
- 9-16. Cutting edges
- 9-17. Factors affecting the choice of a cutting edge
- 9-18. Skin friction
- 9-19. Sand blowing
- 9-20. Methods to facilitate the sinking of caissons
- 9-21. Tilting of caissons
- Questions 9

Chapter 10 STONE MASONRY

- 10-1. Definition
- 10-2. Materials required for stone masonry
- 10-3. Some definitions
- 10-4. Joints in stone masonry
- 10-5. Classification of stone masonry
- 10-6. Safe permissible loads on stone masonry
- 10-7. Tools used in stone masonry
- 10-8. Dressing of stone surfaces
- 10-9. Appliances for lifting stones
- 10-10. Points to be observed while supervising the stonework
- Questions 10

Chapter 11 BRICK MASONRY

- 11-1. General
- 11-2. Size and weight of bricks
- 11-3. Some definitions
- 11-4. Types of brick masonry
- 11-5. Safe permissible loads on brick masonry
- 11-6. Tools used in brick masonry
- 11-7. Bonds in brickwork
- 11-8. Bonds at connections
- 11-9. Thickness of walls in brickwork
- 11-10. Supervision of the brickwork
- 11-11. Defects in brick masonry
- 11-12. Cracking in brick masonry walls
- 11-13. Comparison of brickwork and stonework
- 11-14. Composite masonry
- Questions 11

Chapter 12 STRUCTURES IN BRICKWORK

- 12-1. General
- 12-2. Brick Footings
- 12-3. Piers
- 12-4. Buttresses
- 12-5. Retaining walls and breast walls
- 12-6. Thresholds
- 12-7. Window sills
- 12-8. Jambs
- 12-9. Corbels
- 12-10. Copings
- 12-11. Ornamental brickwork
- 12-12. Circular brickwork
- 12-13. Fireplaces and flues
- 12-14. Tall chimneys
- 12-15. Cavity walls
- 12-15-1. Reasons of providing a cavity or a hollow space in a wall
- 12-15-2. Details of construction
- 12-15-3. Features of a cavity wall
- 12-16. Reinforced brickwork
- Questions 12

Chapter 13 PARTITIONS

- 13-1. Definition
- 13-2. Requirements of partition walls

- 13-3. Types of partitions
- 13-3-1. Brick partitions
- 13-3-2. Clay block partitions
- 13-3-3. Concrete partitions
- 13-3-4. Glass partitions
- 13-3-5. Timber partitions
- 13-3-6. Metal partitions
- 13-3-7. Plaster slab partitions
- 13-3-8. Asbestos cement sheet partitions
- 13-3-9. Wood wool slab partitions
- 13-3-10. Strawboard partitions
- Questions 13

Chapter 14 SCAFFOLDING, SHORING AND UNDERPINNING

- 14-1. General
- 14-2. Scaffolding
- 14-3. Component parts of a scaffolding
- 14-4. Types of scaffolding
- 14-5. Points to be attended to in scaffolding
- 14-6. Shoring
- 14-7. Types of shoring
- 14-8. Underpinning
- 14-9. Points to be attended to before underpinning
- 14-10. Methods of underpinning
- 14-10-1. Pit method
- 14-10-2. Pile method
- 14-10-3. Miscellaneous methods
- Questions 14

Chapter 15 DAMP-PROOFING, WATER-PROOFING AND TERMITE-PROOFING

- 15-1. General
- 15-2. Damp-proofing
- 15-2-1. Causes of dampness
- 15-2-2. Effects of dampness
- 15-2-3. Requirements of an ideal material for damp-proofing
- 15-2-4. Materials used for damp-proofing
- 15-2-5. General principles of damp-proofing
- 15-2-6. Methods of damp-proofing
- 15-3. Water-leakage
- 15-3-1. Reasons and preventive measures for water leakage
- 15-3-2. Water-proofing of flat roofs
- 15-4. Termite-proofing
- 15-4-1. Types of termites
- 15-4-2. General principles of termite-proofing
- 15-4-3. Methods of termite-proofing
- 15-5. Summary
- Questions 15

Chapter 16 CEMENT CONCRETE CONSTRUCTION

- 16-1. Definition
- 16-2. Properties of cement concrete
- 16-3. Materials used in R.C.C. work
- 16-4. Corrosion of steel in concrete
- 16-5. Sea water for making concrete
- 16-6. Proportioning concrete
- 16-7. Grading of aggregates
- 16-8. Water-cement ratio
- 16-9. Workability
- 16-10. Estimating yield of concrete
- 16-11. Bulking of sand
- 16-12. Mixing the materials of concrete
- 16-13. Transporting and placing of concrete
- 16-14. Consolidation of concrete
- 16-15. Curing of concrete
- 16-16. Coloured concrete
- 16-17. Lightweight concrete
- 16-18. No-fines concrete
- 16-19. Joints in concrete structures

BUILDING CONSTRUCTION
DETAILED CONTENTS

- 16-20. Guniting
- 16-21. Formwork
- 16-22. Placing concrete under water
- 16-23. Placing concrete in cold weather
- 16-24. Placing concrete in hot weather
- 16-25. Pre-cast concrete
- 16-26. Ready-mix concrete
- 16-27. Transit-mix concrete
- 16-28. Framed structures
- 16-29. Supervision of R.C.C. work
- 16-30. Concrete floor cracks
- 16-31. Quality control of concrete
- Questions 16

Chapter 17 ARCHES

- 17-1. General
- 17-2. Definition
- 17-3. Technical terms
- 17-4. Types of arches
- 17-4-1. Classification of arches according to shape
- 17-4-2. Classification of arches according to number of centres
- 17-4-3. Classification of arches according to workmanship
- 17-4-4. Classification of arches according to materials of construction
- 17-5. Stability of an arch
- 17-6. Centering for arches
- Questions 17

Chapter 18 LINTELS

- 18-1. Definition
- 18-2. Materials for lintels
- Questions 18

Chapter 19 STAIRS

- 19-1. General
- 19-2. Technical terms
- 19-3. Ramps
- 19-4. Types of stairs
- 19-5. Moving stairs (Escalators)
- 19-6. Stairs of different materials
- 19-7. Requirements of a good stair
- Questions 19

Chapter 20 FORMWORK

- 20-1. General
- 20-2. Requirements of formwork
- 20-3. Cost of formwork
- 20-4. Materials used for preparing formwork
- 20-5. Formwork for column footings
- 20-6. Formwork for columns
- 20-7. Formwork for floors
- 20-8. Formwork for walls
- 20-9. Formwork for stairs
- 20-10. Form linings
- 20-11. Slip forms
- 20-12. Removal of formwork
- 20-13. Centering for big arches
- 20-14. Types of centering
- 20-15. Formwork for domes
- 20-16. Failure of formwork
- 20-17. Maintenance of formwork
- Questions 20

Chapter 21 DOORS, WINDOWS AND VENTILATORS

- 21-1. General
- 21-2. Important considerations for doors and windows
- 21-3. Technical terms
- 21-4. Types of doors
- 21-5. Types of windows
- 21-6. Ventilators
- 21-7. Mosquito-proofing
- 21-8. Fixtures and fastenings for doors and windows
- Questions 21

Chapter 22 CARPENTRY AND JOINERY

- 22-1. Meaning of the terms
- 22-2. Technical terms in carpentry
- 22-3. Principles governing the construction of joints
- 22-4. Classification of joints
- 22-4-1. Lengthening joints
- 22-4-2. Widening joints
- 22-4-3. Angle joints
- 22-4-4. Oblique-shouldered joints
- 22-4-5. Bearing joints
- 22-4-6. Framing joints
- 22-5. Fastenings
- 22-6. Tools used in carpentry
- Questions 22

Chapter 23 FLOORS AND FLOORING

- 23-1. Definitions
- 23-2. Types of floors
- 23-2-1. Timber floors
- 23-2-2. Composite floors
- 23-3. Types of floorings
- 23-4. Factors affecting choice of flooring material
- 23-5. Materials used for flooring
- Questions 23

Chapter 24 ROOFS

- 24-1. General
- 24-2. Requirements of a good roof
- 24-3. Classification of roofs
- 24-4. Pitched or sloping roofs
- 24-5. Types of pitched roofs
- 24-6. Advantages of steel trusses over the timber trusses
- 24-7. Roof coverings for pitched roofs
- 24-8. Ventilators in pitched roofs
- 24-9. Methods to secure pitched roofs against uplift
- 24-10. Flat or terraced roofs
- 24-11. Curved roofs
- 24-12. Drainage of pitched and flat roofs
- Questions 24

Chapter 25 POINTING AND PLASTERING

- 25-1. General
- 25-2. Objects of pointing and plastering
- 25-3. Pointing
- 25-4. Plastering
- 25-5. External finishes
- 25-6. Special materials for plastered surfaces
- 25-7. Fibrous plaster boards
- 25-8. Colour pigments for plaster
- Questions 25

Chapter 26 PAINTING, VARNISHING AND DISTEMPERING, ETC.

- 26-1. General
- 26-2. Painting
- 26-2-1. Characteristics of an ideal paint
- 26-2-2. Pigment volume concentration number (P.V.C.N.)
- 26-2-3. Ingredients of an oil borne paint
- 26-2-4. Types of paints
- 26-2-5. Notes for guidance in the process of painting
- 26-2-6. Painting on different surfaces
- 26-2-7. Failure of paint
- 26-2-8. Defects in painting
- 26-3. Varnishing
- 26-3-1. Characteristics of an ideal varnish
- 26-3-2. Ingredients of a varnish
- 26-3-3. Types of varnishes
- 26-3-4. Process of varnishing
- 26-4. Distempering
- 26-4-1. Properties of distempers

BUILDING CONSTRUCTION
DETAILED CONTENTS

- 26-4-2. Ingredients of a distemper
- 26-4-3. Process of distempereing
- 26-5. Wall paper
- 26-6. Whitewashing
- 26-7. Colourwashing
- Questions 26

Chapter 27 STRUCTURAL STEELWORK

- 27-1. General
- 27-2. Rolled steel shapes
- 27-3. Built-up sections
- 27-4. Connections in steelwork
- Questions 27

Chapter 28 ACOUSTICS

- 28-1. General
- 28-2. Velocity of sound
- 28-3. Frequency & intensity of sound
- 28-4. Timbre
- 28-5. Measurement of sound
- 28-5-1. Influence of environment
- 28-5-2. Measurement report
- 28-6. Sound in enclosures
- 28-7. Reflection of sound
- 28-8. Defects due to reflected sound
- 28-9. Absorption of sound
- 28-10. Sabin's equation
- 28-11. Absorbent materials
- 28-12. Types of absorbent materials
- 28-13. Conditions for good acoustics of an auditorium or a hall
- 28-14. Factors to be considered in the acoustic design of an auditorium
- 28-15. Defects in an auditorium and their remedies
- 28-16. Acoustics of studios
- 28-17. Noise and its effects
- 28-18. Noise mapping
- 28-19. Types of noises
- 28-20. Transmission of noise
- 28-21. Sound insulation
- 28-22. Transmission loss
- 28-23. Acceptable noise levels
- 28-24. Methods of sound insulation
- 28-24-1. When source of noise is in the room itself
- 28-24-2. When noise is air-borne
- 28-24-3. When noise is structure-borne
- Questions 28

Chapter 29 FIRE PROTECTION IN BUILDINGS

- 29-1. General
- 29-2. Causes and effects of fire
- 29-3. Fire hazards
- 29-4. Fire-load
- 29-5. Limiting fire spread
- 29-6. Grading of structural elements and buildings
- 29-7. Characteristics of fire-resisting material
- 29-8. Fire-resisting properties of common building materials
- 29-9. General rules for fire-resisting buildings
- 29-10. Fire protection systems
- 29-11. Strong-room construction
- 29-12. General rules for earthquake resistant buildings
- 29-13. Thermal insulation of buildings
- 29-14. Thermal insulation of exposed doors and windows
- 29-15. Thermal insulation of exposed roofs
- 29-16. Thermal insulation of exposed walls
- Questions 29

Chapter 30 VENTILATION AND AIR-CONDITIONING

- 30-1. Necessity of ventilation
- 30-2. Factors affecting ventilation
- 30-3. Requirements of a good ventilating system
- 30-4. Types of ventilation

- 30-5. Air-conditioning
- 30-5-1. Definition of Air-conditioning
- 30-5-2. Purposes of Air-conditioning
- 30-5-3. Filters for Air-conditioning
- 30-5-4. Heating
- 30-5-5. Cooling
- 30-5-6. Humidification
- 30-5-7. Dehumidification
- 30-5-8. Summer air-conditioning
- 30-5-9. Winter air-conditioning
- 30-5-10. Air distribution
- 30-5-11. Systems of air-conditioning
- Questions 30

Chapter 31 CONSTRUCTION EQUIPMENTS

- 31-1. General
- 31-2. Classification of equipments
- 31-3. Selection of equipments
- 31-4. Standard equipments
- 31-5. Special equipments
- 31-6. Owning and operating cost of equipment
- 31-7. Economic life of construction equipments
- 31-8. Sources of equipments
- 31-9. Various types of construction equipments
- 31-10. Excavating equipments
- 31-11. Earth compaction equipments
- 31-12. Hauling equipments
- 31-13. Hoisting equipments
- 31-14. Conveying equipments
- 31-15. Pumping equipments
- 31-16. Concrete construction equipments
- 31-17. Drilling equipments
- 31-18. Road making equipments
- Questions 31

Chapter 32 CPM AND PERT

- 32-1. General
- 32-2. Network analysis
- 32-3. Features of network planning
- 32-4. Rules for network diagram
- 32-5. Procedure for CPM
- 32-6. Advantages of CPM
- 32-7. Uses of CPM
- 32-8. Application of CPM in project management
- 32-9. CPM for determining extension of time
- 32-10. Difficulties in implementation of the CPM
- 32-11. Project cost
- 32-12. Cost-time optimization
- 32-13. Cost slope
- 32-14. Optimization by crashing
- 32-15. Updating an arrow diagram
- 32-16. Time-grid diagram method
- 32-17. Programme Evaluation and Review Technique (PERT)
- 32-18. Terminology Used in PERT
- 32-19. Percentage of probability
- 32-20. Implementing PERT
- 32-21. PERT network scheduling
- 32-22. Slacks of events
- 32-23. Negative slack & negative float
- 32-24. Selection of technique
- 32-25. Bar charts or Gantt charts
- 32-26. Mile-stone charts
- 32-27. Resources planning
- 32-28. Resource allocation
- 32-29. Resource levelling
- Questions 32

BIBLIOGRAPHY

Index