

# **Online Test Series Details for GATE 2025 - 26**

## **Branch : Civil Engineering**

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**Branch : Civil Engineering**

Test Name
<b>Subject Wise Tests (Basic Level)</b> Total 10 tests
<b>Subject Wise Test (Advance Level)</b> Total 10 tests
<b>Multiple Subjects Tests</b> Total 10 tests
<b>Chapter Wise Tests</b> Total 100 tests
<b>Full Length Mock GATE</b> Total 10 tests

## Chapter Wise Tests (CWT)

**Each test carries 15 marks and 30 minutes duration.**

**Test consists of 5 one mark questions and 5 two marks questions.**

Test	Topic	Subject
Chapter - 1	Number System	<b>General Aptitude  +  General English</b>
Chapter - 2	Permutation Combination & Probability	
Chapter - 3	TSD, Work & Time	
Chapter - 4	Percentage & Its Application	
Chapter - 5	Miscellaneous	
Chapter - 6	Verbal Reasoning	
Chapter - 7	Verbal Ability & Verbal Grammar	

Test	Topic	Subject
Chapter - 1	Linear Algebra	<b>Engineering Mathematics</b>
Chapter - 2	Differential Equation	
Chapter - 3	Integral & Differential Calculus	
Chapter - 4	Vector Calculus	
Chapter - 5	Maxima & Minima	
Chapter - 6	Basics of Calculus & Mean Value Theorem	
Chapter - 7	Complex Variable	
Chapter - 8	Limit & Series Expansion	
Chapter - 9	Probability & Statistics	
Chapter - 10	Numerical Methods	

Test	Topic	Subject
Chapter - 1	Origin, Index Properties and Classification of Soil	<b>Geotechnical Engineering</b>
Chapter - 2	Permeability, Effective Stress, Seepage and Well Hydraulics	
Chapter - 3	Compressibility - Compaction and Consolidation	
Chapter - 4	Shear Strength of Soil & Stress Distribution	
Chapter - 5	Lateral Earth Pressure Theories and Stability Analysis of Slopes	
Chapter - 6	Shallow Foundation and Bearing Capacity	
Chapter - 7	Pile Foundation	
Chapter - 8	Soil Stabilization and Soil Exploration	

Test	Topic	Subject
Chapter - 1	Water Demand, Population Forecasting, Source of Water, Distribution and Conveyance System	<b>Environmental Engineering</b>
Chapter - 2	Quality Parameters of Water	
Chapter - 3	Treatment of Water	
Chapter - 4	Treatment of Sewage	
Chapter - 5	Disposal of Sewage Effluent	
Chapter - 6	Waste Water Characteristics	
Chapter - 7	Sewage System & Sewer Appurtenances	
Chapter - 8	Solid Waste Management	
Chapter - 9	Air and Noise Pollution	

Test	Topic	Subject
Chapter - 1	IS Code Recommendations for Limit State Method of Design	<b>RCC Structures and Prestressed Concrete</b>
Chapter - 2	Limit State Method of Collapse : Flexure	
Chapter - 3	Shear, Torsion, Bond Strength & Development Length	
Chapter - 4	Slab and Stair Case	
Chapter - 5	Limit State Method of Collapse : Compression	
Chapter - 6	Prestressed Concrete	

Test	Topic	Subject
Chapter - 1	Determinacy & Indeterminacy (Static and Kinematic)	<b>Structural Analysis</b>
Chapter - 2	Method of Structural Analysis	
Chapter - 3	Matrix Method of Structural Analysis	
Chapter - 4	Influence Line Diagram & Rolling Loads	
Chapter - 5	Trusses	
Chapter - 6	Arches and Cable	

Test	Topic	Subject
Chapter - 1	Introduction & Geometric Design of Highway	<b>Transportation Engineering</b>
Chapter - 2	Traffic Engineering	
Chapter - 3	Pavement Design	
Chapter - 4	High Material & Testing	
Chapter - 5	Railway & Airport Engineering	



Test	Topic	Subject
Chapter - 1	Fluid Properties	<b>Fluid Mechanics</b>
Chapter - 2	Pressure Measurement	
Chapter - 3	Hydrostatic Forces	
Chapter - 4	Buoyancy & Floatation	
Chapter - 5	Liquids in Relative Equilibrium	
Chapter - 6	Fluid Kinematics	
Chapter - 7	Fluid Dynamics	
Chapter - 8	Flow Through Pipes	
Chapter - 9	Momentum Equations & Application	
Chapter - 10	Laminar & Turbulent Flow	
Chapter - 11	Boundary Layer Theory	
Chapter - 12	Hydraulic Machines	

Test	Topic	Subject
Chapter - 1	Introduction, Properties of Material &. Axially Loaded Bar	<b>Strength of Materials</b>
Chapter - 2	Thermal Stress & Strain (Combine Stresses)	
Chapter - 3	Shear Force & Bending Moment Diagram	
Chapter - 4	Bending Stress In Beam (Impact Loading)	
Chapter - 5	Shear Stress In Beam	
Chapter - 6	Complex Stress & Strain	
Chapter - 7	Torsion In Shaft	
Chapter - 8	Deflection of Beam	
Chapter - 9	Euler's Theory of Column	

Test	Topic	Subject
Chapter - 1	Plastic Analysis	<b>Design of Steel Structure</b>
Chapter - 2	General Design requirements. Connections	
Chapter - 3	Design of Tension Members	
Chapter - 4	Design of Compression Member	
Chapter - 5	Design of Beams	
Chapter - 6	Design of plate Girders & Gantry Girder, Industrial Roof Trusses	

Test	Topic	Subject
Chapter - 1	Basic Concepts of Linear Measurement & Chain Survey	<b>Survey</b>
Chapter - 2	Compass Survey & Traverse Survey	
Chapter - 3	Levelling, Contours, Area & Volumes	
Chapter - 4	Theodolite, Trigonometric Levelling & Tacheometric	
Chapter - 5	Curves, Plane Tables Surveying	
Chapter - 6	Photogrammetry, Theory of Weights & Errors, Basic of Remote Sensing, GIS & GPS, EDM & Total Station	

Test	Topic	Subject
Chapter - 1	Structural steel. Concrete, Bricks, Mortar, Timber & Bitumen, Types of construction project. Tendering & Construction contract, Rate Analysis & Standard Specification, Cost Estimation, Project Planning & Network analysis PERT & CPM	<b>Building Material &amp; CPM/PERT</b>

Test	Topic	Subject
Chapter - 1	Introduction of Irrigation Engineering, Water requirements of Crops	<b>Irrigation Engineering</b>
Chapter - 2	Soil Moisture Plant Relationship	
Chapter - 3	Design of Canals	
Chapter - 4	Gravity Dams & Spillways	
Chapter - 5	Theory of Seepage & Diversion Head Works, Miscellaneous Topics	

Test	Topic	Subject
Chapter - 1	Introduction and Precipitation	<b>Engineering Hydrology</b>
Chapter - 2	Evaporation	
Chapter - 3	Infiltration & Runoff	
Chapter - 4	Hydrograph	
Chapter - 5	Flood Measurement & Flood Routing	

Test	Topic	Subject
Chapter - 1	Introduction And Uniform Flow	<b>Open Channel Flow</b>
Chapter - 2	Energy Depth Relationship	
Chapter - 3	Non-uniform Flow, Gradually Varied Flow	
Chapter - 4	Rapidly Varied Flow and Unsteady Flow	



Test	Topic	Subject
Chapter - 1	System of Forces (FBD and Equilibrium of Forces)	<b>Engineering Mechanics</b>
Chapter - 2	Plane Trusses	
Chapter - 3	Friction	
Chapter - 4	Centroid and MOI, Kinematics and Kinetics of Particles	
Chapter - 5	Work and Momentum, Impulse and Momentum	
Chapter - 6	Impact and Collision, Kinematics and Kinetics of Rigid Body	

## Basic Subject-wise Tests

Each test carries 30 marks and 60 minutes duration.

Test consists of 10 one mark questions and 10 two marks questions.

Subjects	No. of Tests
General Aptitude + General English	01
Engineering Mathematics	01
Geotechnical Engineering	01
Environmental Engineering	01
RCC Structures and Prestressed Concrete	01
Structural Analysis	01
Transportation Engineering	01
Fluid Mechanics + Open Channel Flow	01
Strength of Materials	01
Design of Steel Structures	01
Surveying, Construction Material & Management	01
Irrigation Engineering & Hydrology	01
Engineering Mechanics	01

## Advance Subject-wise Tests

Each test carries 30 marks and 60 minutes duration.

Test consists of 10 one mark questions and 10 two marks questions.

Subjects	No. of Tests
General Aptitude + General English	01
Engineering Mathematics	01
Geotechnical Engineering	01
Environmental Engineering	01
RCC Structures and Prestressed Concrete	01
Structural Analysis	01
Transportation Engineering	01
Fluid Mechanics + Open Channel Flow	01
Strength of Materials	01
Design of Steel Structures	01
Surveying, Construction Material & Management	01
Irrigation Engineering & Hydrology	01
Engineering Mechanics	01

## Combined Subjects Tests

Each test carries 50 marks and 90 minutes duration.

Test consists of 10 one mark questions and 20 two marks questions.

Subjects	No. of Tests
Aptitude + Maths	Moderate Level 1 Advance Level 1
SOM + FM (Includes OCF)	Moderate Level 1 Advance Level 1
Environmental + Hydrology + Irrigation	Moderate Level 1 Advance Level 1
Transportation + Geomatics	Moderate Level 1 Advance Level 1
Geotech + Structural Analysis	Moderate Level 1 Advance Level 1
RCC + Steel Structure	Moderate Level 1 Advance Level 1

## Chapter-wise Tests (One Year Program)

(Each test carries 15 marks and 30 minutes duration.

Test consists of 5 one mark questions and 5 two marks questions.

Subjects	No. of Tests
General Aptitude + General English	07
Engineering Mathematics	10
Geotechnical Engineering	08
Environmental Engineering	09
RCC Structures and Prestressed Concrete	06
Structural Analysis	06
Transportation Engineering	05
Fluid Mechanics	12
Strength of Materials	09
Design of Steel Structures	06
Surveying	06
Irrigation Engineering	05
Engineering Hydrology	05
Open Channel Flow	04
Engineering Mechanics	06
Building Material & CPM/PERT	0

## Full Length Mock GATE (Tentative Details)

(Each test carries 100 marks and 3 hours duration) as per GATE Pattern.

Subjects
Full Length Mock - 1
Full Length Mock - 2
Full Length Mock - 3
Full Length Mock - 4
Full Length Mock - 5
Full Length Mock - 6
Full Length Mock - 7
Full Length Mock - 8
Full Length Mock - 9
Full Length Mock - 10