

GATE Civil 2027 4 Months Study Plan

Section-Wise Roadmap With PYQs: 12 October 2026 to 31 January 2027 | all 8 sections by 3 January | 10 full mocks

<https://gatenotes.org/gate-civil-2027-4-months-study-plan-section-wise-roadmap-with-pyqs/>

Section-Wise Roadmap (Oct to Jan)

Stop	Dates	Section and Key Topics (new 2027 topics marked "new")	Marks / PYQs	Done
1	12 to 18 Oct	Engineering Mathematics: Matrices and linear algebra, calculus, ODEs and PDEs, probability (axioms, distributions and density functions are now spelled out), and numerical methods. Probability and eigenvalue questions appear almost every year.	12.4 / 150+	[]
2	19 Oct to 8 Nov	Structural Engineering: Week 2: engineering mechanics and solid mechanics, including Mohr's circle, combined stresses and column buckling. Week 3: structural analysis: virtual work, Castiglano's second theorem (new), force and displacement methods, slope-deflection, moment distribution, influence lines, the stiffness matrix method (new), and arches and cables. Week 4: RCC limit state design including isolated footings (new), and steel design of tension and compression members, connections and plastic analysis. Prestressed concrete and plate girders can be skipped.	17.4 / 300+	[]
3	9 to 22 Nov	Geotechnical Engineering: Week 5: soil mechanics: phase relationships, classification, permeability, seepage and flow nets, compaction, consolidation and shear strength. Week 6: foundation engineering: subsurface investigation, earth pressure, sheet piles (new), shallow foundation bearing capacity, deep foundations with static formulae only, and ground improvement (new).	14.9 / 250+	[]
4	23 Nov to 6 Dec	Water Resources Engineering: Week 7: fluid mechanics and open channel flow, now including prismatic and mobile channels, steady and unsteady flow, rapidly varied flow, hydraulic jump, sharp-crested weirs and streamflow measurement. Week 8: hydrology (hydrographs, runoff, well hydraulics) and irrigation, with river training, earthen dams, seepage through dams and well irrigation (all new).	13.1 / 200+	[]
5	7 to 13 Dec	Environmental Engineering: Water quality and treatment, now including tertiary treatment, wastewater and sludge treatment, reuse of treated sewage, air pollution and air quality index, and solid waste with the basics of landfill design (new).	9.9 / 150+	[]
6	14 to 20 Dec	Transportation Engineering: Road geometric design using IRC codes, road classification and design vehicle (new), pavement materials and design, intersections and interchanges, highway capacity and level of service, railway track design, airport runway and taxiway design, and transportation planning with the 4-step travel demand model (new).	8.2 / 120+	[]
7	21 to 27 Dec	Geomatics Engineering: Plane and geodetic surveying, GNSS surveying, levelling, curves, cartography and map projections, and photogrammetry including digital photogrammetry and parallax equations. Remote sensing and GIS are no longer listed. Take your first full mock on Sunday 27 December.	6.8 / 80+	[]
8	28 Dec to 3 Jan	Construction Materials and Management: Steel and cement composition, hydration, admixtures, concrete mix design, estimation and costing, PERT and CPM, project monitoring, construction equipment and contracts. Take your second full mock on 3 January.	New section / 60+	[]

January: Mocks and Revision

Dates	Mocks	Revise
4 to 10 Jan	2	Structural Engineering
11 to 17 Jan	2	Geotechnical and Water Resources
18 to 24 Jan	2	Maths, Environmental and Transportation
25 to 31 Jan	2	Geomatics, Construction Management and your error notebook

PYQ ladder: topic-wise after every topic, section-wise at the end of each stop, full papers as mocks in January. Skip PYQs on removed topics: prestressed concrete, plate girders, remote sensing, GIS, dynamic pile formulae. Daily: General Aptitude + error notebook. 1 to 5 Feb: formula and code-value sheets only.

Full guide: <https://gatenotes.org/gate-civil-2027-4-months-study-plan-section-wise-roadmap-with-pyqs/>