



IES MASTER

Institute for Engineers (IES/GATE/PSUs)

ESE-2025 Conventional Test Schedule, Civil Engineering

Date	Topic
15th June 2025	N.T. : M-1, M-3, M-4, SM-1, SM-3, SM-8 R.T. :
18th June 2025	N.T. : SA-1, SA-2, HY-1, HY-4, M-5 R.T. : SM-1, M-1
22nd June 2025	N.T. : SA-5, DSS-4, DSS-5, FM-1, FM-4, FM-6, RCC-1 R.T. : M-3, SA-1, SA-2
25th June 2025	N.T. : SM-6, SM-7, SA-3, SA-4, EE-3, EE-4, EE-5, RCC-3 R.T. : M-1, M-4, FM-6
29th June 2025	N.T. : HY-2, FM-7, RCC-2, SU-5 R.T. : SM-3, SA-1, SA-2, DSS-5, EE-5
02nd July 2025	N.T. : SM-4, SA-6, DSS-1, DSS-2, DSS-3, RCC-4, RCC-5 R.T. : SM-1, SA-3, SA-5, EE-4, RCC-3
06th July 2025	N.T. : SU-1, SU-2, SU-3, SM-2, SM-5, HY-3 R.T. : FM-7, RCC-3, HY-1, EE-5, SA-4, SA-5, SA-6, RCC-2, SU-5, SM-6, SM-7
09th July 2025	N.T. : CPM-1, CPM-2, DSS-6, TF-1, TF-2, TF-3, TF-4, FM-5, M-2 R.T. : DSS-1, SM-4, M-1, M-3, FM-4, SA-1, RCC-4
13th July 2025	N.T. : IR-1, IR-2, IR-3, IR-4, EE-6, BM-1, BM-3 R.T. : SM-5, SM-6, FM-1, DSS-3, DSS-4, HY-3, HY-4, SU-1, SU-2, RCC-2, EE-4, SA-4, SA-5
16th July 2025	N.T. : EE-1, EE-2, SU-4, TF-5, BM-2 R.T. : FM-5, TF-1, TF-2, FM-7, SA-3, SU-3, RCC-2, RCC-4, DSS-6, BM-3, CPM-1, CPM-2
18th July 2025	N.T. : FM-2, FM-3, FM-8, CPM-3 R.T. : IR-1, IR-2, HY-2, DSS-4, DSS-2, SA-2, SA-3, FM-6, RCC-5, EE-6, TF-5, BM-1, BM-2, M-3
20th July 2025	Full Length-1 (Test Paper-1 + Test Paper-2)
27th July 2025	Full Length-2 (Test Paper-1 + Test Paper-2)
03th Aug 2025	Full Length-3 (Test Paper-1 + Test Paper-2)

Test Type	Timing	Day
Conventional Test	10:00 A.M. to 1:00 P.M.	Sunday
Conventional Full Length Test Paper-1	10:00 A.M. to 1:00 P.M.	Sunday
Conventional Full Length Test Paper-2	02:00 P.M. to 5:00 P.M.	Sunday

Note : The timing of the test may change on certain dates. Prior information will be given in this regard.

*N.T. : New Topic. *R.T. : Revision Topic

Call us : 8010009955, 011-41013406 or Mail us : info@iesmaster.org

Subject Code Details

SOM (M)	M-1	M-2	M-3				M-4	M-5		
	Concept of Stress and Strain, Engineering Mechanics	Shear Force & Bending Moment, Deflection of Beams	Transformation of Stress & Strains, Theory of Failure, Combined Bending & Torsion/ Combined bending & Transverse shear stress/ combined bending & Axial stress, Torsion				Bending Stress, Shear Stress	Columns, Springs, Thick & Thin Shells, Moment of inertia		
Soil Mechanics (SM)	SM-1		SM-2	SM-3	SM-4	SM-5	SM-6	SM-7	SM-8	
	Classification of Soil, Soil water relationships, index properties of Soil, Compaction of Soil		Effective stress, Seepage, Permeability	Consolidation	Shear Stress/ Vertical Stress	Earth Pressure, Stability of Slopes	Bearing capacity- Shallow Foundation	Deep foundation - Piles	Exploration of Soil, Expansive Soil, Geosynthetics, Ground Modification Techniques	
Structural Analysis (SA)	SA-1	SA-2	SA-3	SA-4		SA-5		SA-6		
	Slope Deflection Method	Moment Distribution Method	Truss, Cables, Arches	Determinacy/ indeterminacy/ stability Force Method, • Consistent Deformation Method • Method of Least work (Unit load method) • Castigliano's Method		Flexibility Matrix Method, Stiffness Matrix Method, Influence Line Diagram/ Moving Load		Structural Dynamics (Free & Forced Vibrations), Concepts and use of computer aided design		
Hydrology (HY)	HY-1	HY-2	HY-3	HY-4						
	Hydrographs	Flood Routing	Ground Water	Evapo-transpiration, Run off, Abstraction from Precipitation, Hydrological Cycle, Precipitation, Stream flow measurement						
Design of Steel Structure (DSS)	DSS-1	DSS-2	DSS-3	DSS-4	DSS-5		DSS-6			
	Compression member	Plastic Analysis	Beams	Connections (Direct, Eccentric)	Tension Member		Plate girders, Gantry girders, Industrial building			
Fluid Mechanics (FM)	FM-1		FM-2	FM-3	FM-4		FM-5	FM-6	FM-7	FM-8
	Fluid properties, Hydrostatic Pressure, Liquid in relative equilibrium, Buoyancy & Flotation		Fluid Kinematics	Fluid Dynamics, Weirs & Notches	Laminar flow, Turbulent flow, Boundary layer theory, Drag & lift		Flow through Pipes	Open channel flow	Hydraulic Machines, Power House	Modal Analysis & Dimensional Analysis
Environmental (EE)	EE-1			EE-2	EE-3	EE-4	EE-5	EE-6		
	Characteristics of water, Distribution of water, Treatment of water			Characteristics of Sewage	Disposal of Sewage	Sewer design	Treatment of Sewage	Air Pollution, Noise Pollution, Solid Waste Management, Miscellaneous topics		
RCC & PSC (RCC)	RCC-1		RCC-2	RCC-3	RCC-4		RCC-5			
	Working stress Method, Limit State Method of RCC Design		Earthquake resistant structures, Beams (LS, WS), Lintels	Slab-One way, (LS, WS) Staircase	Column, (LS, WS) Water Tanks	Footing (LS, WS), Retaining Wall	Cement & Concrete, Masonry Structures, PSC- Pre stressed Concrete			
Surveying (SU)	SU-1			SU-2	SU-3		SU-4		SU-5	
	Scale/ Accuracy, Measurements of horizontal distances, Theory of Errors			Angular Measurements, Theodolite	Levelling, Contouring, Curve setting, Measurement of Area & Volume		Triangulation & Traversing Plane tabling, Geology		Photogrammetry, Field Astronomy GPS, Remote Sensing	
Transportation (TF)	TF-1	TF-2	TF-3		TF-4		TF-5			
	Geometric Design	Pavement Design	Materials, Construction, Maintenance, Hill roads etc.		Traffic Engineering		Railways, Airports, Ports & Harbours, Tunneling			
Irrigation (IR)	IR-1		IR-2	IR-3	IR-4					
	Soil water relationships, irrigation requirements of crops (Duty, Delta)		Design of Canals (Lacey & Kennedy)	Gravity dams	Cross drainage works, Weirs & Barrages, Seepage theory, Canal Falls/ Canal Regulators, Energy dissipators, River training works					
Pert & CPM (CPM)	CPM-1			CPM-2		CPM-3				
	Network analysis, Pert, CPM, Crashing, Resource Allocation, Levelling, Smoothing, Rate Analysis			Engineering Economy, Management Estimation and costing		Construction equipments, Project Management, Tendering Process and Contract, Quality control, Productivity, Safety, Operation cost, Land Acquisition				
Building Material (BM)	BM-1		BM-2		BM-3					
	Cement, Concrete		Timber, Bricks, Mortar, Stone		Aggregates, Lime, Paints, Glass, Steel, Plastics, FRP, Ceramics, Aluminium, etc					

For Any Query Regarding The Program

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