

ESE-2021 Conventional Test Schedule, Civil Engineering

Date	Topic
10th Oct. 2021	TF-1, TF-2, IR-1, IR-2, FM-3, SM-8, DSS-3
10th Oct. 2021	BM-2, SM-1, SM-7, DSS-1, DSS-2 , M-3, M-4, SA-1, FM-8
17th Oct. 2021	TF-3, TF-4, IR-3, IR-4, SU-4, M-5, Rail-1
17ti1 Oct. 2021	BM-3, CPM-4, RCC-3, EE-1, EE-6, EE-7, RCC-5, SM-4, M-1, HY-4
24th Oct. 2021	Rail-2, Airport, EE-2, EE-3, SA-4, DSS-6
	CPM-1, SM-5, SM-6, FM-1, EE-5, TF-1, TF-2, SA-3, SU-3, M-2, Rail-1
31st Oct. 2021	Port & Harbour, Tunnel, SU-1
3151 Oct. 2021	CPM-3, RCC-4, RCC-6, IR-1, IR-2, FM-6, FM-7, FM-8, DSS-1,DSS-4, DSS-6, SA-2, SA-3, SA-6, SA-5, EE-4, SU-4, SU-5, M-3, SM-1
5th Nov. 2021	Full Length-1 (Test Paper-1 + Test Paper-2)
9th Nov. 2021	Full Length-2 (Test Paper-1 + Test Paper-2)
14th Nov. 2021	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

	SA-1	SA	\-2	SA-	3	SA-4					SA-	5	SA-6					
Structural Analysis (SA)	Slope Deflection Method	Distri	ment bution thod	Trus Cable Arch	es,	Force	Meth	nod	Influence Load Diagram / Moving Load, Determinacy / Indeterminacy					Stiffness Matrix, Flexible Matrix, Structure Dynamics, Misc.				
	M-1	•	M-2						M-3					M-4	N-4 M-5			
SOM (M)	Concept of Stress and Strain	Bend	nding Moment,			re, Co ling &	ombir Tran	ned Ber sverse	f Stress & Strains, Theory of					Bendi ess, S Stres	Shear	Columns, Springs, Thick & Thin Shells, Moment of inertia		
	RCC	-1		RCC-2			RCC	-3		RCC-	-4	R	CC-5			RCC-6		
RCC & PSC (RCC)	Working stres Limit State Me		lethod, Earthquake				(1-wa Stairc	y/2 - way case		Colun Vater T		Footing, Retaining walls			Pre stressed Concrete, Cement & Concrete, Masonary Structure			
	DSS-1		DSS-2	2	DSS-3	3		DSS-	4			DSS-5				DSS	6-6	
Design of Steel Structure (DSS)	Compress membe		Plastic Analys	is	Beam	s		onnecti ect, Ecc		ic) T	ensi	on Mem	nners i			Plate girders, Industrial building, Mis		
Pert & CPM	СРМ	-1			PM-2				CPI	M-3				СР	M-4			
(CPM)	Network analys		⊃M Cr	ashing, Up Allocation Enginee	, Rate A ering Ec	Analysis	s,	1		Equipment Costing	······			ement, Tendering Process & Contract, Equisition, Estimation and Project Costi				
Building	BM-1			BM-2			D :		BN						BM-4			
Material (BM)	Cement, Ti		concret	e, Agrega		ones			nry,	Lime, M	_	Steel, A			nics, Gla		astics, FRP, Misc.	
Environmental (EE)	Character	Characteristics of water, Treatment of water Water Water Water & Cor				of Sewage of Sev				Dispo of Sew	sal	Sewer design	Treatr	ment wage		of Air Pollution, Noise Pollution, Solid Waste Management		
	FN	/ 1-1		FM-2		FM-3			FM-4	ļ	FN	/I-5	-M-6		FM-7		FM-8	
Fluid Mechanics (FM)	Liquid ir equilibrium	c Pressi relative	ressure, elative uoyancy			Fluid namid Veirs & lotche	&	Laminar flow, Turbulent flow, Boundary layer theory, Drag & lift			thro	Flow Open grough channel Pipes flow		Hydraulio Machine:		- 1	Modal Analysis / Dimensional Analysis	
		SM-1		;	SM-2		SI	VI-3	SM	I-4	SM-	5 SM-6		SM	-7	SM-8		
Soil Mechanics (SM)	Soil Wat Soil Clas Index Pr Compac	sification operties	on, s,	Se	ffective stress, eepage meabil	, (Conso	lidation	She Stre Vert Stre	ess/ P ical S	Eart ressu tabilit Slope	re, Fo	Shallow oundatio	w Deep Ex ion foundation Geou		Exploration of Soil, Expansive Soil, Geosynthetics, Ground Modification Techniques		
Transportation	TF-1		TF	-2			TF-3 T							TF-4				
(TF)	Geomet Desigr	ı	Des	ment sign	Materials, Construction, Maintenance, Hill roads							Traffic Engineering						
0		SU-			_	SU-2			SU-			SI				SU-5		
Surveying (SU)		Scale/ Accuracy, Measurements of horizontal distances, Theory of Errors				Angular Levelling, of Curve some Theodolite Levelling, Output Supplies that the Curve some Supplies the				etting, of Area & ne	Tr	iangulation Plane tabl						
		IR-1				IR-2			IF	IR-3				IR-4				
Irrigation (IR)	Relationship Crops & Ca	Irrigation Methods, Soil Moisture & Plants Relationships, Water Requirements of Crops & Canal Irrigation, Water logging and Soil Reclamation				Canal Des			domo 8				Canal Regulation Work, Canal Head Works & Seepage Theory, River Engineering, Cross Drainage Works, Energy Dissipators, Spillways					
Hydrology (HY)	HY-1		HY-2	2	Н	IY-3		HY-4				HY-5						
)		Flood		Groun	nd Wa	ter	Evapo-Transpiration, Surface Runoff Abstract from Precipitation, Hydrological Cycle, Pr & Measurement, Stream Flow Measurement										
	Hydrograp	hs F	lood Ro	outing				Suria	ice Ki	inon								
	Hydrograp	hs F	lood Ro	buting	0,04,			Suria	ice ru	IIOII		Rail-	2					
Railways (RAIL)	Hydrograp	metric D	Rail Design	•1 of Track, Resistance	Tract				Rail J	Joints, Sle ck Junctio			Ballast,		, Point &	& Cross	sing,	